



ORANGE WATER AND SEWER AUTHORITY

*A public, non-profit agency providing water, sewer and reclaimed water services
to the Carrboro-Chapel Hill community.*

UPDATED AGENDA

Work Session of the OWASA Board of Directors **Thursday, February 9, 2017, 6:00 P.M.** **Chapel Hill Town Hall**

The Board of Directors appreciates and invites the public to attend and observe its meetings. For the Board's Work Session, public comments are invited on only items appearing on this agenda. Speakers are invited to submit more detailed comments via written materials, ideally submitted at least three days in advance of the meeting to the Clerk to the Board via email or US Postal Service (aorbich@owasa.org/400 Jones Ferry Road, Carrboro, NC 27510).

Public speakers are encouraged to organize their remarks for delivery within a four-minute time frame allowed each speaker.

The Board may take action on any item on the agenda.

Announcements

- a. Announcements by the Chair
 - Any Board Member who knows of a conflict of interest or potential conflict of interest with respect to any item on the agenda tonight is asked to disclose the same at this time.
- b. Announcements by Board Members
- c. Announcements by Staff

Consent

Action

1. Award of a Construction Contract for the Gravity Sewer Rehabilitation Project (Vishnu Gangadharan)

Regular Agenda

Discussion

2. Update on the February 2-5, 2017 Water Emergency Event and Recovery including Public Comment (John Young/Ed Kerwin/Todd Taylor)

Closed Session

3. Tentative: The Board of Directors will convene in a Closed Session for the purpose of discussing a personnel matter (Robert Morgan)

Agenda Item 1:

Award of a Construction Contract for the Gravity Sewer Rehabilitation Project

Purpose:

This memorandum recommends that OWASA award a construction contract to Moffat Pipe, Inc. (“Moffat”) for the construction of the Gravity Sewer Rehabilitation Project (“Project”).

Background:

The Capital Improvements Program (CIP) contains funds for a systematic and continuous program of inspection, evaluation, and rehabilitation of our collection system assets. Within this program, gravity sewer mains and manholes are inspected and evaluated under CIP 276-17 in accordance with a risk-based prioritization framework developed by CDM Smith during the 2010 collection system master plan. CIP 276-18 provides funds for any subsequent rehabilitation of the inspected gravity sewer mains and manholes.

Since fiscal year (FY) 2012, this program has rehabilitated roughly 10 miles of sewer mains, along with associated manholes, through multi-year unit price contracts. The initial scope of the current contract includes the rehabilitation of approximately 7,600 feet (1.4 miles) of 6-inch through 18-inch diameter sewer mains and associated manholes at nine project locations throughout the service area. The contract is extendable under the bid unit prices at OWASA’s option.

Advertising and Bidding:

Prospective bidders were screened through our typical prequalification process, which involved having interested contractors submit a package outlining their qualifications, including past performance on similar projects, credentials of their management team, safety record, etc. Only those firms that clearly demonstrated the capability to adequately perform the project work were invited to submit bids.

Plans for the project were developed by CDM Smith (“Engineer”). Staff posted a Request for Qualifications (RFQ) in December 2016. After an extensive review, nine contractors were prequalified to bid on the project. The invitation for bids was issued to the prequalified contractors on January 9, 2017. A total of three bids were received on January 30, 2017 and opened publicly. Moffat was the low, responsive and responsible bidder for the project with a bid of \$1,290,243. A copy of the certified bid tabulation is attached with the Engineer’s recommendation to award (Attachment 1), and the results are summarized below:

Moffat Pipe, Inc.	\$1,290,243.00
Pipeline Utilities, Inc	\$1,855,000.00
Team IPR Southeast LLC	\$1,960,325.50
<hr/>	
<i>Engineer’s Final Estimate</i>	<i>\$1,410,860.50</i>

Minority and Women Business Enterprise (MWBE) Participation:

OWASA's Minority Business Participation Outreach Plan and Guidelines include all of the statutory requirements from the State of North Carolina, and specifies a 10% goal for participation by minority businesses. In keeping with standard practice, OWASA staff took several actions to solicit minority participation in this contract, including advertising the RFQ in the Greater Diversity News, North Carolina Institute of Minority Economic Development, North Carolina Department of Administration Historically Underutilized Businesses, OWASA's website, and plan rooms, and requiring bidders to follow "good faith" efforts to solicit participation by minority subcontractors.

The prime contractor (Moffat) is themselves registered as a certified woman-owned business, and furthermore has certified that \$40,000 (or 3%) of the total bid amount is being subcontracted to other women-owned businesses.

Bid Analysis and Recommendation:

The three bids received were spread over a relatively large range (the high bid was 52% higher than the low bid). The low bid was about 9% lower than the Engineer's estimate and reflects a reasonable and competitive cost for the work, and should we elect to extend this contract to incorporate additional rehabilitation work, the bid unit prices contained in the contract are favorable.

Moffat's ability to complete this project successfully was evaluated thoroughly during the prequalification process, and they demonstrated sufficient qualifications in past project performance, personnel qualifications/experience, reference checks, and all other rated categories. OWASA staff also determined that Moffat's safety performance, relevant project experience, bonding capacity, and other non-rated categories met our requirements.

CDM Smith's recommendation that the construction contract for this project be awarded to Moffat is attached along with the certified bid tabulation (Attachment 1). OWASA staff strongly concurs with this recommendation and requests the Board's adoption of the attached resolution (Attachment 2) awarding the construction contract to Moffat.

Please let me know if you have any questions or need additional information. I can be reached at 537-4248 or vgangadharan@owasa.org. Thank you.

Information:

Attachment 1 – Engineer's Recommendation for Award and Certified Bid Tabulation
Attachment 2 – Resolution



5400 Glenwood Avenue, Suite 300

Raleigh, North Carolina 27612

tel: 919 325-3500

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January 31, 2017

Mr. Vishnu Gangadharan, P.E.
Orange Water and Sewer Authority
400 Jones Ferry Road
Carrboro, North Carolina 27510

Subject: Recommendation of Award
Orange Water and Sewer Authority
Sanitary Sewer Rehabilitation FY 2017-2019

Dear Vishnu:

On January 30, 2017, the Orange Water and Sewer Authority (OWASA) received three (3) bids for the referenced project. All three bids were received, opened, and the bid amounts were read out by the Engineer of record to the bid opening attendees. CDM Smith evaluated each bid based on whether the Contractor submitted all information as required in Sections 00 21 15 and 00 41 44 of the project specifications. A matrix is attached as Exhibit 2 to this letter showing all bidders, the information required in the bid, and a summary of the bid amounts. The matrix indicates that IPR Southeast, LLC, Moffat Pipe, Inc., and Pipeline Utilities, Inc., provided the required information. Moffat Pipe, Inc., is the lowest bidder.

Each bid was reviewed for mathematical errors and other discrepancies, and none were identified in any of the bids.

The bids are as follows from low to high:

- | | |
|-----------------------------|----------------|
| 1. Moffat Pipe, Inc. | \$1,290,243.00 |
| 2. Pipeline Utilities, Inc. | \$1,855,000.00 |
| 3. IPR Southeast LLC. | \$1,960,325.50 |

Based on our evaluation of the project bids, Moffat Pipe, Inc., appears to be the lowest bidder. CDM Smith recommends awarding the project to Moffat Pipe, Inc.



Mr. Vishnu Gangadharan
January 31, 2017
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If you have any questions, or require additional information, please do not hesitate to call us.

Very truly yours,

A handwritten signature in blue ink, appearing to read "P. Stout". The signature is fluid and cursive.

Patrick Stout, P.E.
CDM Smith Inc.

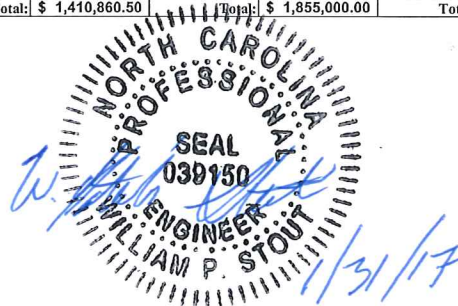
cc: Chris Nesbit, CDM Smith
Brent Johnson, CDM Smith

Item No.	Description	Quantity	Units	Engineers OPCC		Pipeline Utilities, Inc.		IPR		Moffat Pipe, Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Battle Park										
1.A	Rehabilitation of existing 8-inch sewers using cured-in-place pipe lining methods	LF	127	\$ 64.00	\$ 8,128.00	\$ 82.00	\$ 10,414.00	\$ 75.00	\$ 9,525.00	\$ 110.00	\$ 13,970.00
1.B	Furnish and install Portland Cement based cementitious liner for 4-ft diameter manholes	VF	14	\$ 324.00	\$ 4,536.00	\$ 371.00	\$ 5,194.00	\$ 365.00	\$ 5,110.00	\$ 200.00	\$ 2,800.00
1.C	Furnish, install, and maintain bypass pumping of sanitary sewers	LS	1	\$ 14,400.00	\$ 14,400.00	\$ 2,408.00	\$ 2,408.00	\$ 6,500.00	\$ 6,500.00	\$ 2,500.00	\$ 2,500.00
1.D	Furnish, install, and maintain traffic control	LS	1	\$ 2,010.00	\$ 2,010.00	\$ 294.00	\$ 294.00	\$ 2,000.00	\$ 2,000.00	\$ 2,500.00	\$ 2,500.00
1.E	Furnish, install, and maintain site access	LS	1	\$ 9,500.00	\$ 9,500.00	\$ 50,000.00	\$ 50,000.00	\$ 2,500.00	\$ 25,000.00	\$ 13,000.00	\$ 13,000.00
1.F	Furnish, install, and maintain 6-ft temporary chain link tree protection fence	LF	2000	\$ 20.00	\$ 40,000.00	\$ 13.00	\$ 26,000.00	\$ 20.00	\$ 40,000.00	\$ 8.00	\$ 16,000.00
1.G	Bond Premiums, Mobilization, Demobilization, and Insurance	LS	1	\$ 1,709.00	\$ 1,709.00	\$ 4,711.00	\$ 4,711.00	\$ 22,500.00	\$ 22,500.00	\$ 2,600.00	\$ 2,600.00
2	Daffodil Lane										
2.A	Rehabilitation of existing 8-inch sewers using cured-in-place pipe lining methods	LF	204	\$ 45.00	\$ 9,180.00	\$ 82.00	\$ 16,728.00	\$ 75.00	\$ 15,300.00	\$ 66.00	\$ 13,464.00
2.B	Furnish and install Portland Cement based cementitious liner for 4-ft diameter manholes	VF	5	\$ 325.00	\$ 1,625.00	\$ 371.00	\$ 1,855.00	\$ 365.00	\$ 1,825.00	\$ 200.00	\$ 1,000.00
2.C	Reset frame and cover in designated manhole(s)	EA	1	\$ 733.00	\$ 733.00	\$ 1,175.00	\$ 1,175.00	\$ 3,000.00	\$ 3,000.00	\$ 400.00	\$ 400.00
2.D	Point Repair of 8" pipe (0'-10' Deep) (Per 10 feet section)	EA	1	\$ 13,910.00	\$ 13,910.00	\$ 29,474.00	\$ 29,474.00	\$ 15,000.00	\$ 15,000.00	\$ 11,500.00	\$ 11,500.00
2.E	Locate and raise manhole 11564	EA	1	\$ 10,700.00	\$ 10,700.00	\$ 37,025.00	\$ 37,025.00	\$ 3,500.00	\$ 3,500.00	\$ 7,000.00	\$ 7,000.00
2.F	Furnish, install, and maintain bypass pumping of sanitary sewers	LS	1	\$ 15,700.00	\$ 15,700.00	\$ 5,000.00	\$ 5,000.00	\$ 5,500.00	\$ 5,500.00	\$ 2,000.00	\$ 2,000.00
2.G	Furnish, install, and maintain traffic control	LS	1	\$ 4,020.00	\$ 4,020.00	\$ 10,000.00	\$ 10,000.00	\$ 6,500.00	\$ 6,500.00	\$ 3,500.00	\$ 3,500.00
2.H	Furnish, install, and maintain site access	LS	1	\$ 8,900.00	\$ 8,900.00	\$ 1,000.00	\$ 1,000.00	\$ 25,000.00	\$ 25,000.00	\$ 7,000.00	\$ 7,000.00
2.I	Bond Premiums, Mobilization, Demobilization, and Insurance	LS	1	\$ 2,750.00	\$ 2,750.00	\$ 4,000.00	\$ 4,000.00	\$ 30,000.00	\$ 30,000.00	\$ 2,300.00	\$ 2,300.00
3	UNC Dauer										
3.A	Rehabilitation of existing 6-inch sewers using cured-in-place pipe lining methods	LF	121	\$ 70.00	\$ 8,470.00	\$ 76.00	\$ 9,196.00	\$ 78.00	\$ 9,438.00	\$ 87.00	\$ 10,527.00
3.B	Furnish and install Portland Cement based cementitious liner for 4-ft diameter manholes	VF	16	\$ 324.00	\$ 5,184.00	\$ 371.00	\$ 5,936.00	\$ 365.00	\$ 5,840.00	\$ 200.00	\$ 3,200.00
3.C	Furnish, install, and maintain bypass pumping of sanitary sewers	LS	1	\$ 7,200.00	\$ 7,200.00	\$ 2,408.00	\$ 2,408.00	\$ 5,500.00	\$ 5,500.00	\$ 1,200.00	\$ 1,200.00
3.D	Furnish, install, and maintain traffic control	LS	1	\$ 4,020.00	\$ 4,020.00	\$ 294.00	\$ 294.00	\$ 2,000.00	\$ 2,000.00	\$ 1,200.00	\$ 1,200.00
3.E	Furnish, install, and maintain site access	LS	1	\$ 314.00	\$ 314.00	\$ 1,000.00	\$ 1,000.00	\$ 10,000.00	\$ 10,000.00	\$ 3,200.00	\$ 3,200.00
3.F	Bond Premiums, Mobilization, Demobilization, and Insurance	LS	1	\$ 1,100.00	\$ 1,100.00	\$ 1,000.00	\$ 1,000.00	\$ 30,000.00	\$ 30,000.00	\$ 900.00	\$ 900.00
4	UNC Ridge Road										
4.A	Rehabilitation of existing 8-inch sewers using cured-in-place pipe lining methods	LF	661	\$ 45.00	\$ 29,745.00	\$ 70.00	\$ 46,270.00	\$ 75.00	\$ 49,575.00	\$ 63.00	\$ 41,643.00
4.B	Rehabilitation of existing 15-inch sewers using cured-in-place pipe lining methods	LF	1998	\$ 78.00	\$ 155,844.00	\$ 93.00	\$ 185,814.00	\$ 115.00	\$ 229,770.00	\$ 82.00	\$ 163,836.00
4.C	Rehabilitation of existing 18-inch sewers using cured-in-place pipe lining methods	LF	789	\$ 91.00	\$ 71,799.00	\$ 108.00	\$ 85,212.00	\$ 135.00	\$ 106,515.00	\$ 100.00	\$ 78,900.00
4.D	Point Repair of 8" pipe (0'-10' Deep) (Per 10 feet section)	EA	1	\$ 11,100.00	\$ 11,100.00	\$ 29,407.00	\$ 29,407.00	\$ 15,000.00	\$ 15,000.00	\$ 13,500.00	\$ 13,500.00
4.E	Furnish and install Portland Cement based cementitious liner for 4-ft diameter manholes	VF	140	\$ 324.00	\$ 45,360.00	\$ 371.00	\$ 51,940.00	\$ 400.00	\$ 56,000.00	\$ 200.00	\$ 28,000.00
4.F	Reset frame and cover in designated manhole(s)	EA	1	\$ 733.00	\$ 733.00	\$ 1,175.00	\$ 1,175.00	\$ 3,000.00	\$ 3,000.00	\$ 450.00	\$ 450.00
4.G	Rebuild bench and channel in designated manhole(s)	EA	5	\$ 2,240.00	\$ 11,200.00	\$ 294.00	\$ 1,470.00	\$ 1,150.00	\$ 5,750.00	\$ 500.00	\$ 2,500.00
4.H	Furnish and Install Flex Seal by Infi-Shield in designated manhole(s) in gravel/dirt roads	EA	2	\$ 686.00	\$ 1,372.00	\$ 1,175.00	\$ 2,350.00	\$ 900.00	\$ 1,800.00	\$ 500.00	\$ 1,000.00
4.I	Repair or replace cement exterior on designated raised manhole(s)	EA	2	\$ 1,933.00	\$ 3,866.00	\$ 1,175.00	\$ 2,350.00	\$ 2,500.00	\$ 5,000.00	\$ 250.00	\$ 500.00
4.J	Replace frame and cover with standard frame and cover in designated manhole(s)	EA	3	\$ 818.00	\$ 2,454.00	\$ 1,175.00	\$ 3,525.00	\$ 3,250.00	\$ 9,750.00	\$ 650.00	\$ 1,950.00
4.K	Furnish and Install Flex Seal by Infi-Shield in designated manhole(s) in paved roads	EA	5	\$ 686.00	\$ 3,430.00	\$ 3,591.00	\$ 17,955.00	\$ 1,000.00	\$ 5,000.00	\$ 500.00	\$ 2,500.00
4.L	CCTV pipes SM77846, 3424, & 3411 per specification section 02651	LF	401	\$ 3.50	\$ 1,403.50	\$ 12.00	\$ 4,812.00	\$ 12.50	\$ 5,012.50	\$ 8.00	\$ 3,208.00
4.M	Furnish, install, and maintain bypass pumping of sanitary sewers	LS	1	\$ 97,000.00	\$ 97,000.00	\$ 120,000.00	\$ 120,000.00	\$ 50,000.00	\$ 50,000.00	\$ 130,000.00	\$ 130,000.00
4.N	Furnish, install, and maintain traffic control	LS	1	\$ 2,010.00	\$ 2,010.00	\$ 1,000.00	\$ 1,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,700.00	\$ 5,700.00
4.O	Furnish, install, and maintain site access	LS	1	\$ 57,720.00	\$ 57,720.00	\$ 70,000.00	\$ 70,000.00	\$ 20,000.00	\$ 20,000.00	\$ 29,000.00	\$ 29,000.00
4.P	Furnish, install, and maintain 6-ft temporary chain link tree protection fence	LF	150	\$ 20.00	\$ 3,000.00	\$ 12.00	\$ 1,800.00	\$ 20.00	\$ 3,000.00	\$ 8.00	\$ 1,200.00
4.Q	Bond Premiums, Mobilization, Demobilization, and Insurance	LS	1	\$ 22,650.00	\$ 22,650.00	\$ 29,000.00	\$ 29,000.00	\$ 30,000.00	\$ 30,000.00	\$ 26,000.00	\$ 26,000.00
5	UNC Smith										
5.A	Rehabilitation of existing 6-inch sewers using cured-in-place pipe lining methods	LF	324	\$ 70.00	\$ 22,680.00	\$ 88.00	\$ 28,512.00	\$ 70.00	\$ 22,680.00	\$ 60.00	\$ 19,440.00
5.B	Furnish and install Portland Cement based cementitious liner for 4-ft diameter manholes	VF	16	\$ 324.00	\$ 5,184.00	\$ 371.00	\$ 5,936.00	\$ 365.00	\$ 5,840.00	\$ 200.00	\$ 3,200.00
5.C	Furnish and Install Flex Seal by Infi-Shield in designated manhole(s) in paved roads	EA	1	\$ 686.00	\$ 686.00	\$ 1,175.00	\$ 1,175.00	\$ 1,000.00	\$ 1,000.00	\$ 500.00	\$ 500.00
5.D	CCTV pipe 2764 per specification section 02651	LF	324	\$ 3.50	\$ 1,134.00	\$ 12.00	\$ 3,888.00	\$ 12.50	\$ 4,050.00	\$ 6.50	\$ 2,106.00

Item No.	Description	Quantity	Units	Engineers OPCC		Pipeline Utilities, Inc.		IPR		Moffat Pipe, Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
5.E	Cut and remove protruding service in pipe 2764 using internal cutter	EA	1	\$ 840.00	\$ 840.00	\$ 1,410.00	\$ 1,410.00	\$ 1,500.00	\$ 1,500.00	\$ 1,000.00	\$ 1,000.00
5.F	Furnish, install, and maintain bypass pumping of sanitary sewers	LS	1	\$ 7,200.00	\$ 7,200.00	\$ 100.00	\$ 100.00	\$ 5,000.00	\$ 5,000.00	\$ 1,000.00	\$ 1,000.00
5.G	Furnish, install, and maintain traffic control	LS	1	\$ 4,020.00	\$ 4,020.00	\$ 500.00	\$ 500.00	\$ 3,000.00	\$ 3,000.00	\$ 1,000.00	\$ 1,000.00
5.H	Furnish, install, and maintain site access	LS	1	\$ 600.00	\$ 600.00	\$ 1,000.00	\$ 1,000.00	\$ 15,000.00	\$ 15,000.00	\$ 3,600.00	\$ 3,600.00
5.I	Bond Premiums, Mobilization, Demobilization, and Insurance	LS	1	\$ 1,920.00	\$ 1,920.00	\$ 2,000.00	\$ 2,000.00	\$ 30,000.00	\$ 30,000.00	\$ 1,400.00	\$ 1,400.00
6	Upper Booker Creek Interceptor - Phase 2 (West)										
6.A	Rehabilitation of existing 12-inch sewers using cured in-place pipe lining methods	LF	113	\$ 57.00	\$ 6,441.00	\$ 142.00	\$ 16,046.00	\$ 110.00	\$ 12,430.00	\$ 140.00	\$ 15,820.00
6.B	Rehabilitation of existing 15-inch sewers using cured in-place pipe lining methods	LF	117	\$ 77.00	\$ 9,009.00	\$ 147.00	\$ 17,199.00	\$ 135.00	\$ 15,795.00	\$ 150.00	\$ 17,550.00
6.C	Reset frame and cover in designated manhole(s)	EA	1	\$ 732.00	\$ 732.00	\$ 1,175.00	\$ 1,175.00	\$ 3,000.00	\$ 3,000.00	\$ 450.00	\$ 450.00
6.D	Repair or replace cement exterior on designated raised manhole(s)	EA	1	\$ 1,940.00	\$ 1,940.00	\$ 1,175.00	\$ 1,175.00	\$ 2,500.00	\$ 2,500.00	\$ 255.00	\$ 255.00
6.E	Furnish, install, and maintain bypass pumping of sanitary sewers	LS	1	\$ 37,200.00	\$ 37,200.00	\$ 40,000.00	\$ 40,000.00	\$ 10,000.00	\$ 10,000.00	\$ 22,500.00	\$ 22,500.00
6.F	Furnish, install, and maintain site access	LS	1	\$ 18,100.00	\$ 18,100.00	\$ 60,000.00	\$ 60,000.00	\$ 18,500.00	\$ 18,500.00	\$ 8,000.00	\$ 8,000.00
6.G	Bond Premiums, Mobilization, Demobilization, and Insurance	LS	1	\$ 3,300.00	\$ 3,300.00	\$ 5,000.00	\$ 5,000.00	\$ 30,000.00	\$ 30,000.00	\$ 3,200.00	\$ 3,200.00
7	Upper Booker Creek Interceptor - Phase 2 (East)										
7.A	Rehabilitation of existing 15-inch sewers using cured in-place pipe lining methods	LF	1275	\$ 79.00	\$ 100,725.00	\$ 99.00	\$ 126,225.00	\$ 135.00	\$ 172,125.00	\$ 97.00	\$ 123,675.00
7.B	Furnish and install Portland Cement based cementitious liner for 4-ft diameter manholes	VF	55	\$ 324.00	\$ 17,820.00	\$ 371.00	\$ 20,405.00	\$ 400.00	\$ 22,000.00	\$ 200.00	\$ 11,000.00
7.C	Reset frame and cover in designated manhole(s)	EA	3	\$ 733.00	\$ 2,199.00	\$ 1,175.00	\$ 3,525.00	\$ 3,000.00	\$ 9,000.00	\$ 450.00	\$ 1,350.00
7.D	Repair or replace cement exterior on designated raised manhole(s)	EA	2	\$ 1,940.00	\$ 3,880.00	\$ 1,175.00	\$ 2,350.00	\$ 2,850.00	\$ 5,700.00	\$ 250.00	\$ 500.00
7.E	Furnish, install, and maintain bypass pumping of sanitary sewers	LS	1	\$ 37,100.00	\$ 37,100.00	\$ 90,000.00	\$ 90,000.00	\$ 20,000.00	\$ 20,000.00	\$ 46,000.00	\$ 46,000.00
7.F	Furnish, install, and maintain traffic control	LS	1	\$ 2,010.00	\$ 2,010.00	\$ 100.00	\$ 100.00	\$ 10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00
7.G	Furnish, install, and maintain site access	LS	1	\$ 27,600.00	\$ 27,600.00	\$ 60,000.00	\$ 60,000.00	\$ 25,000.00	\$ 25,000.00	\$ 24,000.00	\$ 24,000.00
7.H	Bond Premiums, Mobilization, Demobilization, and Insurance	LS	1	\$ 8,910.00	\$ 8,910.00	\$ 17,000.00	\$ 17,000.00	\$ 30,000.00	\$ 30,000.00	\$ 11,000.00	\$ 11,000.00
8	Upper Morgan Creek (Sheet C-8)										
8.A	Rehabilitation of existing 15-inch sewers using cured in-place pipe lining methods	LF	1657	\$ 77.00	\$ 127,589.00	\$ 95.00	\$ 157,415.00	\$ 135.00	\$ 223,695.00	\$ 84.00	\$ 139,188.00
8.B	Furnish and install Portland Cement based cementitious liner for 4-ft diameter manholes	VF	59	\$ 324.00	\$ 19,116.00	\$ 371.00	\$ 21,889.00	\$ 365.00	\$ 21,535.00	\$ 200.00	\$ 11,800.00
8.C	Replace frame and cover with watertight frame and cover in designated manholes as specified and shown on the drawings	EA	8	\$ 1,230.00	\$ 9,840.00	\$ 1,739.00	\$ 13,912.00	\$ 3,500.00	\$ 28,000.00	\$ 1,200.00	\$ 9,600.00
8.D	Repair or replace cement exterior on designated raised manhole(s)	EA	8	\$ 1,940.00	\$ 15,520.00	\$ 1,175.00	\$ 9,400.00	\$ 2,850.00	\$ 22,800.00	\$ 250.00	\$ 2,000.00
8.E	Furnish and install manhole venting on designated manhole(s)	EA	1	\$ 5,000.00	\$ 5,000.00	\$ 6,705.00	\$ 6,705.00	\$ 15,000.00	\$ 15,000.00	\$ 4,000.00	\$ 4,000.00
8.F	Furnish, install, and maintain bypass pumping of sanitary sewers	LS	1	\$ 37,300.00	\$ 37,300.00	\$ 48,169.00	\$ 48,169.00	\$ 25,000.00	\$ 25,000.00	\$ 24,000.00	\$ 24,000.00
8.G	Furnish, install, and maintain site access	LS	1	\$ 12,570.00	\$ 12,570.00	\$ 60,000.00	\$ 60,000.00	\$ 35,000.00	\$ 35,000.00	\$ 8,000.00	\$ 8,000.00
8.H	Bond Premiums, Mobilization, Demobilization, and Insurance	LS	1	\$ 10,560.00	\$ 10,560.00	\$ 14,000.00	\$ 14,000.00	\$ 38,000.00	\$ 38,000.00	\$ 10,000.00	\$ 10,000.00
9	Upper Morgan Creek (Sheet C-9)										
9.A	Rehabilitation of existing 15-inch sewers using cured in-place pipe lining methods	LF	262	\$ 77.00	\$ 20,174.00	\$ 147.00	\$ 38,514.00	\$ 120.00	\$ 31,440.00	\$ 88.00	\$ 23,056.00
9.B	Furnish and install Portland Cement based cementitious liner for 4-ft diameter manholes	VF	10	\$ 325.00	\$ 3,250.00	\$ 371.00	\$ 3,710.00	\$ 365.00	\$ 3,650.00	\$ 200.00	\$ 2,000.00
9.C	Furnish and Install Flex Seal by Infi-Shield in designated manhole(s) in gravel/dirt roads	EA	1	\$ 686.00	\$ 686.00	\$ 1,175.00	\$ 1,175.00	\$ 1,000.00	\$ 1,000.00	\$ 500.00	\$ 500.00
9.D	Furnish, install, and maintain bypass pumping of sanitary sewers	LS	1	\$ 27,600.00	\$ 27,600.00	\$ 15,944.00	\$ 15,944.00	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 10,000.00
9.E	Furnish, install, and maintain traffic control	LS	1	\$ 4,020.00	\$ 4,020.00	\$ 294.00	\$ 294.00	\$ 8,000.00	\$ 8,000.00	\$ 2,000.00	\$ 2,000.00
9.F	Furnish, install, and maintain site access	LS	1	\$ 9,200.00	\$ 9,200.00	\$ 1,000.00	\$ 1,000.00	\$ 8,500.00	\$ 8,500.00	\$ 3,000.00	\$ 3,000.00
9.G	Bond Premiums, Mobilization, Demobilization, and Insurance	LS	1	\$ 3,100.00	\$ 3,100.00	\$ 3,000.00	\$ 3,000.00	\$ 30,000.00	\$ 30,000.00	\$ 2,000.00	\$ 2,000.00
10	Heavy Cleaning	LF	370	\$ 7.00	\$ 2,590.00	\$ 16.00	\$ 5,920.00	\$ 21.00	\$ 7,770.00	\$ 10.50	\$ 3,885.00
11	Pavement Replacement	SY	167	\$ 220.00	\$ 36,740.00	\$ 120.00	\$ 20,040.00	\$ 315.00	\$ 52,605.00	\$ 60.00	\$ 10,020.00
12	Contingency Allowance	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
				Total:	\$ 1,410,860.50	Total:	\$ 1,855,000.00	Total:	\$ 1,960,325.50	Total:	\$ 1,290,243.00

BID TABULATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION.

Patrick Stout
 Patrick Stout, P.E.



Contractor	Contractor License Number	Addenda 1-3	Proposal	Contractors Affidavit of Organization and Authority	Contractor's Non-Collusion Affidavit	Bid Bond	List of Subcontractors	Power of Attorney	EEO Certificate	Nondiscrimination Clause	MBE Forms	Total Base Bid
Pipeline Utilities, Inc.	13040	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$1,855,000.00
IPR Southeast LLC.	73175	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$1,960,325.50
Moffat Pipe, Inc.	54906	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$1,290,243.00

**RESOLUTION AWARDING A CONSTRUCTION CONTRACT FOR THE GRAVITY
SEWER REHABILITATION PROJECT**

WHEREAS, there is a need for the rehabilitation of certain gravity sewer mains and manholes throughout the service area; and

WHEREAS, plans and specifications for the construction of this project have been prepared by CDM Smith; and

WHEREAS, advertisement for contractor qualifications was published on the websites of the North Carolina Institute of Minority Economic Development, North Carolina Department of Administration Interactive Purchasing System, Greater Diversity News, and OWASA in December 2016, and nine contractors were qualified to bid; and

WHEREAS, on January 9, 2017, the prequalified contractors were formally invited to submit construction bids for the project, and three bids were received by the bid deadline of January 30, 2017; and

WHEREAS, Moffat Pipe, Inc. of Wake Forest, North Carolina has been determined to be the low responsive, responsible bidder for the project; and

WHEREAS, on June 9, 2016 the Board approved a resolution authorizing funds for Capital Improvement Projects, including funds for this project;

NOW, THEREFORE, BE IT RESOLVED:

1. That the Orange Water and Sewer Authority Board of Directors awards the construction contract to Moffat Pipe, Inc., the low responsive, responsible bidder for the Gravity Sewer Rehabilitation Project, in accordance with the approved plans and specifications, in the amount of \$1,290,243.00, subject to such change orders as may apply.

2. That the Executive Director be, and hereby is, authorized to execute said contract, subject to prior approval of legal counsel, and to approve and execute change orders and such documents as may be required in connection with the construction contract.

Adopted this 9th day of February 2017.

John A. Young, Chair

ATTEST:

Barbara Middleton-Foushee, Secretary

Agenda Item 2:

February 2-5, 2017 Water Emergency Event and Recovery, including Public Comments and Questions

Purpose:

Presentation of a preliminary report about the water emergency event from Thursday, February 2, to Sunday, February 5, 2017 and opportunity for residents, businesses and other members of the community to give OWASA feedback and ask questions.

- Opening remarks from John Young, Chair of the OWASA Board of Directors
- Presentation by Ed Kerwin, OWASA Executive Director
- Public Comments and Questions

Action Requested:

Receive information and public input. Provide guidance to OWASA staff regarding ongoing post-event investigations and communication.

February 9, 2017