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**NORTH TEXAS MUNICIPAL WATER DISTRICT
501 E. Brown Street • Wylie, Texas 75098
(972) 442-5405 – Phone • (972) 295-6440 – Fax**

**WASTEWATER COMMITTEE MEETING MINUTES
DECEMBER 16, 2020**

I. CALL TO ORDER

Chairman Richard Peasley called the meeting to order at 1:00 p.m. on Wednesday, December 16, 2020. The meeting was conducted by teleconference. Chairman Peasley provided general instructions to the attendees.

In accordance with the COVID-19 public health threat and the related March 16, 2020, action by the Office of the Governor, temporarily suspending certain provisions of the Texas Open Meetings Act, NTMWD will hold its meeting by telephonic conference call.

In lieu of physical attendance, the public may teleconference in to meeting by calling toll free (1) (844)-621-3956 and entering the following access code: 928 587 040. Members of the public wishing to make public comment during the meeting should follow the instructions for on-line registration listed under Item II. below no later than the start time of the meeting. The meeting will be recorded, and the audio recording will be available on the NTMWD website after the meeting.

Assistant Deputy Jenna Covington called the roll and confirmed teleconference attendance of the Wastewater Committee members including Chairman Richard Peasley, Directors John Carr, George Crump, David Hollifield, James Kerr, John Murphy, and Marlo Obera. Any reference to a unanimous vote refers to a unanimous vote of the Committee members present.

Members of the Executive Committee were present as well as other Board members and members of the NTMWD management team.

II. PUBLIC COMMENTS (FOR TELECONFERENCE COMMITTEE MEETINGS ONLY)

INSTRUCTIONS FOR PUBLIC COMMENT ON-LINE REGISTRATION: Prior to the start of the Wastewater Committee meeting, members of the public wishing to provide public comment must submit via email to PublicRelations.Info@ntmwd.com their first and last name, organization, comment topic, mailing address and email address. During the public comment portion of the meeting, speakers will be recognized by name and asked to provide their comments. The time limit is five (5) minutes per speaker, not to exceed a total of thirty (30) minutes for all speakers. The Committee may not discuss these items but may respond with factual or policy information. Public comment is provided for

committee meetings held by teleconference during the COVID-19 health threat to confirm the opportunity for two-way communication with the public during the meeting.

There were no public comment requests.

III. OPENING REMARKS

- A. Chairman/Interim Executive Director/Committee Champion Status Report concerning legislation and regulatory matters, budgets, current projects and ongoing Wastewater System programs of the District

Chairman Peasley welcomed Director Marlo Obera to the Committee.

Assistant Deputy Jenna Covington welcomed everyone to the last meeting of 2020.

IV. ACTION ITEMS

- A. Consider Approval of Wastewater Committee meeting minutes – October 21, 2020

Upon a motion by Director David Hollifield and a second by Director George Crump, the Wastewater Committee voted unanimously to approve the October 21, 2020 Wastewater Committee meeting minutes.

- B. **Authorize execution of Amendment Nos. 4 and 5 to the Construction Manager At-Risk Agreement on Sister Grove Regional Water Resource Recovery Facility project – Administrative Memorandum No. 5665**

- Consider recommendation on authorizing the Interim Executive Director to execute Amendment Nos. 4 and 5 to the Construction Manager At-Risk Agreement with Garney Companies, Inc., in the amount of \$71,591,766.25 on Project No. 301-0426-16, Sister Grove Regional Water Resource Recovery Facility

Bret Ellis, Engineering Manager, presented this item. He advised this item is to authorize funding for Amendments No. 4 and No. 5 to the Construction Manager At-Risk (CMAR) agreement for the Sister Grove Regional Water Resource Recovery Facility. The CMAR has submitted a partial Guaranteed Maximum Price for No. 3 and No. 4 for construction work packages including ultraviolet (UV) disinfection facility, Parshall Flume, odor control, electrical building, instrumentation and controls, outfall pipeline tunneling and pipe materials.

Mr. Ellis provided a plant boundary map and an outfall pipeline map. A cost breakdown for GMP No. 3 was provided with a total cost of \$24,907,850.10. A cost breakdown for GMP No. 4 was provided with a total cost of \$46,683,916.15, which includes the tunneling component of the project. Mr. Ellis noted that the cost is approximately \$14 million lower than the 90 percent estimate provided from the CMAR earlier this year. He advised the savings are attributed to value engineering and the level of competitive bidding currently available. Mr. Ellis also provided a contract amendment summary totaling \$243,357,458.48 for this project.

Chairman Peasley inquired about a Parshall Flume. Mr. Ellis advised that it is a narrowing throat in an open channel used to measure water height and flow rate which is then reported to the Texas Commission on Environmental Quality (TCEQ).

Upon a motion by Director Marlo Obera and a second by Director George Crump, the Wastewater Committee voted unanimously to recommend approval to the Board of Directors.

C. Authorize Change Order No. 26 on Rowlett Creek Regional Wastewater Treatment Plant Peak Flow Management Improvements, Phase I – Administrative Memorandum No. 5666

- Consider recommendation on authorizing Change Order No. 26 with Pepper Lawson Waterworks, LLC, in the amount of \$621,568.35 on Project No. 301-0328-13, Rowlett Creek Regional Wastewater Treatment Plant Peak Flow Management Improvements, Phase I

Assistant Deputy Mark Simon presented this item which is for the Rowlett Creek Regional Wastewater Treatment Plant Peak Flow Management Improvements. Mr. Simon advised that this item is to upgrade the potable water line to an 8-inch line and to upgrade the roadway to concrete to meet fire protection requirements, and for the installation of electrical for the new ultraviolet transmittance monitoring device. A map of the water line installation area and the roadway was provided.

Upon a motion by Director James Kerr and a second by Director David Hollifield, the Wastewater Committee voted unanimously to recommend approval to the Board of Directors.

D. Authorize additional engineering services on North McKinney Parallel Interceptor project – Administrative Memorandum No. 5667

- Consider recommendation on authorizing additional engineering services with Teague, Nall, and Perkins, Inc., in the amount of \$306,300 on Project No. 501-0504-18, North McKinney Parallel Interceptor

Mark Simon presented this item. He advised that additional engineering services are requested for final design of additional tree mitigation projects as required by the United States Army Corps of Engineers (USACE) Lavon Lake office to mitigate the removal of desired tree species that will occur during construction of the North McKinney Parallel Interceptor on USACE property. Additional engineering services are also requested for the Consulting Engineer to facilitate payment to the John Bunker Sands Mitigation Bank as required by USACE as part of the mitigation requirement for the issuance of the Nationwide 12 permit and loss of forested wetlands habitat. Mr. Simon provided a map of the North McKinney Parallel Interceptor and a breakdown of costs associated with the additional services included in this agenda item.

Deputy Director Mike Rickman added that the John Bunker Sands (JBS) Wetlands organization along with the Rosewood Corporation created a 501 C3 Corporation and created a "Mitigation Bank". Due to the land surrounding the JBS Wetlands

requiring mitigation, the District is buying "mitigation credits" from the "bank" rather than developing its own mitigation project for the area.

Upon a motion by Director George Crump and a second by Director Marlo Obera, the Wastewater Committee voted unanimously to recommend approval to the Board of Directors.

E. Authorize award of construction contract on Upper East Fork Interceptor System Rehabilitation and Improvements 2020 project – Administrative Memorandum No. 5668

- Consider recommendation on authorizing award of construction contract with Insituform Technologies, LLC, in the amount of \$462,402.25 on Project No. 501-0540-19, Upper East Fork Interceptor System Rehabilitation and Improvements 2020

Mark Simon presented this item. He advised this item will authorize a contract and inspection services for the Upper East Fork Interceptor System Rehabilitation and Improvements 2020. He advised several locations identified in the Wastewater Operations Assessment Program will be repaired or rehabilitated in order to extend the remaining useful life of the pipelines and minimize the potential for sanitary sewer overflows. Mr. Simon provided some background regarding previously conducted inspections the repairs needed. A location map of repairs was provided.

Mr. Simon reviewed the bids received with Insituform Technologies, LLC submitting the lowest responsible bid. He noted that the bids were considerably less than the engineer's opinion of probable cost.

Assistant Deputy Jenna Covington added that these inspections are part of an ongoing program to maintain the wastewater conveyance system. The goal is to inspect 10 percent of the pipelines and manholes each year. The inspections are on track to be completed in ten years.

Upon a motion by Director John Carr and a second by Director James Kerr, the Wastewater Committee voted unanimously to recommend approval to the Board of Directors.

F. Authorize award of construction contract on Buffalo Creek Parallel Interceptor project – Administrative Memorandum No. 5669

- Consider recommendation on authorizing award of construction contract with Mountain Cascade of Texas, LLC, in the amount of \$24,630,180 on Project No. 507-0484-17, Buffalo Creek Parallel Interceptor, Phase I

Mark Simon presented this item. He advised this item is to award a construction contract and authorize inspection services for the Buffalo Creek Parallel Interceptor, Phase I project. He advised this project is to increase conveyance capacity from the Buffalo Creek Wastewater Treatment Plant to Farm-to-Market 740 to meet immediate and projected 2040 flow conditions due to population growth in the cities of Forney, Heath, and Rockwall and to rehabilitate 130

previously inspected manholes located along the existing Buffalo Creek Interceptor. Mr. Simon added that this pipeline will allow the future decommissioning of the Squabble Creek Wastewater Treatment Plan. A location map was provided.

Mr. Simon reviewed the bid tabulation and advised that the lowest responsible bid was submitted by Mountain Cascade of Texas, LLC.

Upon a motion by Director John Carr and a second by Director Marlo Obera, the Wastewater Committee voted unanimously to recommend approval to the Board of Directors.

V. DISCUSSION ITEMS

A. Review Sister Grove Regional Water Resource Recovery Facility program

Bret Ellis presented this item. He provided a location map of the site property, including the outfall pipeline, the influent pipeline, and transfer lift station. Mr. Ellis also provided an update to the schedule. He advised that the construction notice to proceed has been delayed due to the required review of the contract documents by the Texas Water Development Board, the requirement to have the City of McKinney approve a plat for the facility which is in McKinney's extraterritorial jurisdiction, and the need to have Collin County approve the building permits. Mr. Ellis also provided a depiction of what the monument sign will look like on the property.

Mr. Ellis provided a financial update for the project. Details of each component were provided, including cost increases and cost savings that have occurred. A flow chart depicting the District's lift stations and how the wastewater flows will be routed to Sister Grove was provided. A review of current Upper East Fork transfer lift station and force main construction projects was provided.

B. Central Maintenance organizational review and assessment

Assistant Deputy Dave Patton presented this item. He advised that in October last year the NTMWD selected Jacobs Engineering Group to conduct an organizational review of the Central Maintenance Department's Technical Services and Facilities Services. Jacobs evaluated staffing levels and maintenance practices compared to other organizations and industry best practices. As part of the assessment, Jacobs interviewed 47 staff members from Management, Technical and Facilities Services, and Water/Wastewater Operations.

Mr. Patton reviewed the findings and recommendations of the assessment. Details of the staffing assessment were provided that includes hiring additional maintenance staff, planner/schedulers, mechanics, and electricians.

Deputy Director Mike Rickman advised that due to the new infrastructure being added by the District, the focus has been on adding plant operators and less on maintenance staff. Ms. Covington spoke of the District's cross-training program

that has allowed some operators to handle light maintenance items as well. While it benefits the District to operate in this manner, it is not the industry norm and the study reflects additional staff needed either through outsourcing or hiring. The findings and recommendations of this report were shared. District staff will take this feedback into consideration as staff recommendations are formulated to bring forward for Board consideration.

C. Buffalo Creek Interceptor System open market bond sale

Assistant Deputy Erik Felthous presented this item. He advised this bond sale will be based on 100 percent of the final engineering costs of \$26.075 million for the Buffalo Creek Interceptor System. The sale will be conducted December 17, 2020. The bonds will have a 30-year term; the first 4 years' payments will be interest only and the remaining 26 years will have annual payments of \$1.5 million per year. The estimated interest rate is 2.56 percent. Mr. Felthous advised that the Finance Committee reviewed this item on December 2, 2020.

D. Opportunity for Committee members to provide feedback on Wastewater Committee meeting

There were no comments provided by Committee Members.

E. Opportunity for Committee members to request potential future agenda items
(No substantive discussion of items will take place at this time)

There were no potential future agenda items requested.

VI. ADJOURNMENT

There being no further business, the meeting of the Wastewater Committee was adjourned at 2:12 p.m.

Approved:


RICHARD PEASLEY
Chairman