WEST DES MOINES WATER WORKS
PROJECT PROGRESS REPORT

DATE: November 16, 2026

ITEM:

10. Motions to Receive and File
    a. Project Progress Report through November 11, 2026

These projects are currently in progress. Progress on each project is outlined below; new information is shown in italics.

West Des Moines Water Works Projects

Water Distribution Projects

2026 Water Main Replacement – S. 35th Street North of Grand Avenue

Staff anticipates the project will be ready for acceptance (before the end of the year) once a few remaining punch list items are addressed.

2026 Water Main Replacement – Pheasant Ridge

The majority of the water main pipe has been installed via trenchless construction methods. The contractor is beginning to work on various pipe connections.

2026 Water Main Replacement – Railroad Avenue

Water main has been installed along Railroad Avenue. Following completion of pressure and bacteriological testing of this segment of pipe, Holiday Circle and Hy-Vee will be tied over. Once the tie-over is complete, the contractor can continue to work on pipe modifications within Railroad Avenue and along Grand Avenue.

Water Distribution Projects – City of West Des Moines Bid

The following projects are being constructed in conjunction with City of West Des Moines Roadway projects. WDMWW will reimburse the City for the water work on these projects.

Water main work has been completed for the following projects. They will be accepted once the paving and other work has been completed and the City has accepted the projects.

0510-050-2021 – Ashworth Road, 19th to 23rd Street
0510-035-2022 – Grand Avenue Widening – Interstate 35 to S 60th Street
0510-039-2024 – Grand Prairie Parkway and EP True Parkway Intersection
0510-041-2024 – EP True Parkway – Grand Prairie Parkway to Bridgewood Boulevard
0510-042-2024 – EP True Parkway – Bridgewood Boulevard to Wendover Lane
0510-001-2025 – 2025 Street Reconstruction – Giles Street
0510-001-2026 – 2026 Street Reconstruction – Giles Street

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Other WDMWW Projects

88th Street Aquifer Storage and Recovery Well

Start-up and staff training has been ongoing since April. Limited Registration Cycle #1 began on May 6th and was completed on June 6th. The Contractor is working on completing punch list items and the final city inspections for the control building occurred in late August. Cycle #2 of Limited Registration Testing began on August 12th and completed on September 15th. Cycle #3 began on October 3rd and will be completed in early January.

2024 Antenna Shroud Installation

Much of the shroud has been installed at each towers. The contractor has ordered the closure pieces and will return to install these once they have been manufactured.

2027 88th Street Elevated Water Storage Tank Painting

WDMWW has retained Dixon Engineering to complete construction specifications and bidding documents for this project. It is anticipated that this project will bid early in 2027 with the eventual contractor having a spring window and a fall window to complete the work.

Central Iowa Water Works Projects (Administered by WDMWW)

Water Supply Projects – AC Ward

Expansion of Alluvial wells

This project has been approved for the Drinking Water Intended Use Plan projects list for SRF funding. A new location, Site 5, is being explored for well suitability. In late October, Staff reviewed two proposals for test drilling and selected Braun Intertec*.* Test drilling for soil exploration has been completed, and three of the five potential well locations have produced favorable soil results for new wells*.* Northway completed the test well and associated pump testing with satisfactory pump rates. WDMWW staff collected water quality samples and the results that have been received so far are promising. The Consultant has sent a technical memo about recent test drilling results which has been reviewed by staff. A second round of test drilling will be necessary to confirm feasibility and exact location of the three new wells at Site #5*. The drilling company has submitted a proposal that was approved by CIWW, and test drilling will be scheduled for late November and early December.*

Water Treatment Projects – AC Ward

High Service Pump No. 5 Replacement

An engineering services agreement was executed with HR Green in April. 50% design documents have been completed and have been reviewed by staff. The CIWW Technical Committee recommended combining the scopes of this project along with the 2027 High Service Piping project for significant cost savings to engineering and construction. *An engineering services amendment incorporating the high service piping modifications will be presented for approval at the November Board meeting.*

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Two Vertical 30-Ton CO2 Tanks

The current CO2 storage at A.C. Ward can only accommodate two weeks of storage during the high demand season. This project will increase the CO2 storage capacity to at least 30 days and replace the existing feed system with a pressurized solution feed. A scope description is being developed to solicit engineering services for this project.

Facility Repairs and Improvements

This project will address structural and process repairs that were identified in the 2021 Facility Plan and Needs Assessment. The scope of work includes several structural repairs, upgrading the air backwash blower, replacing and/or repairing filter blower air pipes, installing a waterproofing membrane on the clearwell roof, and improving several access hatches to bring them in compliance with 10 States Standards. Staff selected Strand Associates as the design consultant on the project. Bids were received on August 6th, and the Contract was awarded to Woodruff Construction. *The Contractor is working on submittals, and construction will start in January.*

AC Ward Water Quality Study

Black & Veatch was selected as the Consultant for the study after a proposal review process. The study goals include examining treatment alternatives to provide more flexibility in managing Jordan to Alluvial source water blending, and examining options to reducing sulfate, TDS, PFAS, and fluoride. *Technical Memos 1 (Source Water Evaluation) and 2 (Treatment Alternatives) have been delivered and are being reviewed. Staff and the Consultant also met with IDNR to discuss State Revolving Fund (SRF) PFAS Loan Forgiveness options as they pertain to the treatment alternatives.*

Other CIWW Projects

98th Street Tower Mixer

Components for this work have arrived. It is anticipated that installation will occur in late November or early December. This work is being completed by Dixon Engineering.

West Water Treatment Plant

Preliminary design is underway and the design team is meeting biweekly. The most recent results from the source water investigations are favorable for meeting the new plant's water needs. The Consultant is evaluating different plant site options. The West Plant design team is involved in preliminary design considerations, such as deciding initial design criteria of high service pumpage and the routing of raw water and finished water transmission. *Technical Memorandum 4 was received and reviewed by the design team, and the treatment alternative was selected and approved by the CIWW Technical Committee. The design team also continued discussion on the site selection and options were paired down to two possible sites. Test drilling and pump tests were completed, and water quality samples were collected for the two new test wells. Strand also held a detailed discussion about the piloting process with the design team.*