

PROCEEDINGS OF THE CENTRAL BROWN COUNTY WATER AUTHORITY
TECHNICAL COMMITTEE

Pursuant to §19.84 Wis. Stats, a regular meeting of the Central Brown County Water Authority **Technical Committee** was held on Tuesday, November 8, 2022 at the Town of Ledgeview Public Works Shop, 1915 Scray Hill Rd, De Pere, WI, and via video conference.

Members Present: Allouez – Sean Gehin
Bellevue – Teal Spellman, Eric Woodke
Denmark – Erika Thronson (video)
De Pere – Scott Thoresen, Eric Zygarlicke
Howard – Geoff Farr (video)
Lawrence – Kurt Minten
Ledgeview – Andy Tenor

Also Present: Rob Michaelson, Manitowoc Public Utilities
Gary Rosenbeck, McMahan Assoc. (video)
Tony Kappell, McMahan Assoc. (video)
Nic Sparacio, CBCWA General Manager

The Central Brown County Water Authority – Technical Committee Meeting was called to order at 1:30 p.m. by Chair Sean Gehin of Allouez.

Roll Call:

Attendance was recorded as shown above. (Attendees present via video conference are noted with “video.”) The Committee welcomed Teal Spellman, the new Director of Public Works for the Village of Bellevue.

Approval of Agenda:

1. Approve Agenda
Motion made by De Pere, seconded by Lawrence to approve the agenda.
MOTION UNANIMOUSLY APPROVED

Approval of Minutes:

2. October 11, 2022
There were no revisions to the draft minutes.
Motion made by Ledgeview, seconded by Lawrence to approve the October 11, 2022 minutes as presented.
MOTION APPROVED UNANIMOUSLY

Appearances or Communications:

3. None.

Agenda Items:

4. Proposed agreement with Manitowoc County for CTH R culvert rehabilitation

Nic Sparacio described the culvert replacement project attempted by the Manitowoc County Highway Department on September 13. Due to the location of the Water Authority's transmission main above the top of the culverts, the project stopped work and the excavation was closed. Since that time, the Authority's engineer, Gary Rosenbeck, met with County staff to explore more practical options for addressing the failing culvert pipes. The consensus was to seek quotes for cured-in-place pipe lining. Several quotes were received, which Rosenbeck reviewed on behalf of the Authority. The preferred quote is from Subsurface Inc.

Sparacio then reported on discussions with Manitowoc County related to sharing the cost of the culvert lining project. The draft letter agreement included in the meeting materials outlines a 50/50 agreement between the Water Authority and Manitowoc County for the costs of culvert lining and certain in-kind costs provided directly by Manitowoc County. The total cost is not to exceed \$70,390, so the Water Authority and Manitowoc County would each be responsible for up to \$35,195.

Gehin asked what other alternatives might be available for repairing the culverts. Sparacio responded with the various alternatives that were also discussed but were determined to be more costly and of greater risk to the transmission main. Rosenbeck added that the open cut options were determined to be more costly because they would all involve opening up a large section of the highway. Thoresen asked whether the proposed cured-in-place lining would be effective at this time of year. Rosenbeck responded that the proposed process uses UV curing, so it can be done in the cold.

Gehin then asked how we avoid this type of situation in the future. Sparacio responded by noting the two other locations where the Water Authority transmission main is located above a highway culvert. The intent of the proposed approach is to make a shared investment in preventive maintenance in order to reduce the risk of more costly future replacements or damage to the Water Authority's pipe envelope. This has also been an opportunity to improve communication and project planning with Manitowoc County. Teal Spellman pointed out that the language in the right-of-way use permit would also be important. Discussion continued on the responsibilities of each party.

Rosenbeck reported that he would further recommend that a French drain is also added to the project. Perhaps Manitowoc County can complete this work on behalf of the Water Authority, or the Authority could hire a contractor to install the drain.

Motion made by Allouez, seconded by De Pere to recommend approval of the letter agreement with the Manitowoc County Highway Department and to further request installation of a French drain.

MOTION APPROVED UNANIMOUSLY

5. Project status updates

a. **Cell-to-cell pipe survey**

Sparacio reported on the status of the cell-to-cell survey. The previously omitted portion of Contract D has now been surveyed, and the report is expected by the end of this week. He will share the report with the Committee for discussion at the next meeting.

b. **Emergency back-up supply study**

Sparacio stated that there is no update at this time, as he and Rosenbeck are still discussing how to proceed with the study. Gehin reported that Allouez is still interested in talking with Green Bay Water about a smaller scale emergency interconnection, as reconstruction plans for Webster Avenue are still being formulated.

c. **Meter accuracy and process for calibration – report on recent testing**

Rob Michaelson confirmed that the reports from Midwest Meter, as well as a meter testing history compiled by MPU, were provided to the Members. He reported that he would like to continue working with Midwest Meter, and the next scheduled test would be in two years. Gehin asked whether any meter calibration is required at this time. Sparacio responded that all the actively used meters tested within tolerances except for the Master Meter station, which has always been difficult to test. No calibrations are needed. He then reviewed the meter reading comparisons for the year to date. With the August calibration of the Finished Water Pump Station meter, all the meter totals are now in close agreement, further suggesting that the readings are accurate.

Gehin asked how the various meters are used for billing. Sparacio responded that the Water Authority is billed by MPU based on the Master Meter Station meter. The percentage breakdown for Member billing is based on the applicable connection station meters. Discussion continued on whether MPU billing can be moved back to the Finished Water Pump Station meter. With good meter testing and calibration results, this can now be further discussed in the months ahead.

d. **Manitowoc pump station optimization**

Michaelson reported that pump 2 and the new VFD are fully operational. MPU is working through some final operational bugs, but the new equipment is now being used.

e. **FWPS reservoir roof repairs**

Michaelson reported that MPU continues working on some interior repairs and discussing whether a membrane should be added to the roof.

f. **MPU valve operations**

Sparacio asked how the valve operations went from the Member perspective. There were no issues or concerns from the Members. Michaelson reported on the follow-up items that are being worked on. A small section of pipe is being replaced on the spur to the BE-1 connection. A faulty valve actuator near the DP-5/LE-2 connection station will

be repaired or replaced. And a valve box in the intersection of Grant Street and Mid Valley Drive was found to have been paved over. Kurt Minten noted that roundabouts will be added in that area in 2024, so that construction should be taken into consideration. Michaelson added that of the 110 valves operated, these three items were the only issues found. All others were in good shape.

g. **Report on main break repairs and investigation**

Sparacio gave an overview of the report provided by NIS. The investigation concluded that the likely cause of the break was corrosion due to a failure of the pipe wrap. It is recommended that active corrosion protection should be added to this area of the transmission main. Thoresen noted that the pavement near the break repair is still in need of restoration. Michaelson responded that he will follow-up with the contractor.

h. **SPLASH Study implementation**

Sparacio stated that he will look to schedule a SPLASH Implementation meeting for early December.

i. **Village of Denmark water supply connection**

Sparacio reported that the bids for construction of the Denmark connection station will be received soon. He explained the intended approach for a joint contract covering the items that the Water Authority needs furnished and installed within the Denmark connection station. The agreement is still being drafted, but he has provided a term sheet outlining all the key provisions for the Committee's review. He then reviewed the terms for cooperative construction with the Village of Denmark.

Thoresen asked about the timeline for completion. Tony Kappell responded that substantial completion is required by end of September 2023. Rosenbeck added that there has been some discussion as to whether a hydrant should be included in the project similar to some of the other connection stations. Michaelson reviewed the locations where hydrants are present. There was a consensus that a hydrant would be beneficial. There were no changes to the term sheet identified, so Sparacio requested a recommendation to the Board.

Motion made by Ledgerview, seconded by Lawrence to recommend approval of a coordinated construction agreement with the Village of Denmark consistent with the terms presented to the Committee and pending legal review.

MOTION APPROVED UNANIMOUSLY

6. **Water sales report through October 31, 2022**

Sparacio reported that October water consumption was a little higher than typical for this time of year, which bumps up the year-to-year comparison. Total water use for the year is now about 2% above the total for this same time last year. He encouraged the Members to review the year-end true-up projections.

7. Member and Water Authority operations – open discussion

Thoresen asked whether any Members are interested in joint requisitions for reservoir inspection and leak detection services for 2023. The goal is to get requests for quotes out before the end of the year for responses in early 2023. The Committee discussed some challenges with getting leak detection completed in a timely manner this year.

Sparacio asked whether the Committee is interested in hearing from additional meter vendors. There was a consensus that these should be offered as separate meetings. Discussion continued on whether to purchase new large commercial meters versus replacing the register or meter head. Both may be an option depending on the application. There are also differences in analytics capabilities between meter types. Sparacio also encouraged the Committee members to attend the upcoming communication planning meeting that will be held before the Board meeting on November 16th. It would be beneficial to have some Technical Committee members involved in the discussion.

Old Business:

8. None.

Next Meeting:

Agenda Items for the Thursday, December 1, 2022 Meeting

Potential items for the December meeting include:

- Report on additional ductile iron cell-to-cell survey results
- Recommendations for 2023 officers (Chair and Vice Chair)
- 2023 meeting schedule

Adjourn:

Motion made by De Pere, seconded by Lawrence to adjourn at 3:10 p.m.

MOTION UNANIMOUSLY APPROVED

Respectfully submitted,
Nicolas Sparacio