

PROCEEDINGS OF THE CENTRAL BROWN COUNTY WATER AUTHORITY
TECHNICAL COMMITTEE

Pursuant to Section 19.84 Wis. Stats, a regular meeting of the **Central Brown County Water Authority –Technical Committee** was held on August 11, 2008 at the Allouez Village Offices – 1900 Libal Street, Green Bay, Wisconsin

Present: Allouez-Berndt; Bellevue-Simonson; DePere-Thoresen; Howard-Farr;
Lawrence-Little, Ledgeview-Brosteau

Also

Present: Dave Vaclavik – PMP; Gary Rosenbeck-McMahon Associates
Bill Balke – Public Works Director – Village of Bellevue
Chuck Behnke– Manitowoc County Highway Department
Jerry Halverson – Manitowoc County Soil & Water Conservation Dept.
Ross Johnson/Fred Lemens - Cooperstown

The meeting was called to order by Chairman Scott Thoresen at 1:30 p.m.

ROLL CALL:

Call the roll for attendance.
Roll Call as noted above.

APPROVAL OF AGENDA:

Approve Agenda

**Motion made by Ledgeview and seconded by Allouez to approve the agenda.
MOTION APPROVED UNANIMOUSLY**

APPROVAL OF MINUTES:

July 7, 2008

Page 3, #11 – Hobart Booster Station (3rd paragraph) “No written work directive is available, although Advance states they were directed by CTE and by Nate Bosdeck of *Mead & Hunt* (not Foth & VanDyke).

Page 5, #18 – Future Agenda Items – “Craig Berndt asked that the status of *shared building expenses* be on the next agenda (not status of Emergency Response Agreement)

Motion made by Lawrence and seconded by Allouez to approve the minutes as corrected. MOTION APPROVED UNANIMOUSLY

APPEARANCES:

1. **Manitowoc County Highway Department**
2. **Various Representatives - Cooperstown**

(Refer to discussion in agenda items 1 & 2)

COMMUNICATIONS:

1. None

AGENDA ITEMS:

1. **River Valley Testing Report and Recommendations regarding Trench Settlement:**

A preliminary report from River Valley Testing dated 8/6/08 was distributed by Mr. Rosenbeck. River Valley covered three issues in their report, i.e. settling problems from Cooperstown to Zander Road, all other areas with settlement problems, and the concrete situation at Johnston Drive. Rosenbeck stated that it appears that settlement issues are a result of boulders being hit when cable duct was plowed in, pushing them aside leaving voids. Over time these voids have become sink holes.

Recommendation from River Valley Testing is that the trench backfill located in the ditch line in areas containing boulders and cobbles where the fiber optic cable was plowed in place, "be removed from above the fiber optic cable and be replaced with properly compacted fill". As an alternative to the extensive remove and replacement method, they recommend patching sinkholes as they develop. Mr. Rosenbeck indicated this work would be a warranty issue.

The report also states that review of density tests performed on the trench backfill for the 48" water main during construction, as well as results from tests performed during their test pit observations, "indicates compaction levels below the specified compaction in portions of the alignment. Compaction levels below the specified compaction limit increase the risk for potential settlement, as well as the risk for scour during periods of heavy surface water run-off".

Observation of the concrete situation at Johnston Drive and East Magnolia in Manitowoc notes spalling which typically occurs at joints. Cracks occurring soon after construction are typically caused by stress levels greater than the flexural strength of the concrete, and are the result of some combination of restraint forces.

In summary, Mr. Rosenbeck stated that in his opinion settlement appears to be primarily due to inadequate compaction during construction. The high moisture content of the excavated materials prevented maximum compaction and should not have been used for backfill.

Discussion of these issues resulted in a directive to identify the sink hole sites and have them repaired, speculated at being 20 to 30 miles of the pipeline (Pine Grove Road, Master Meter Station, back into the City of Manitowoc). Chuck Behnke pointed out that Cooperstown has the most, noting that at this time of year they are hard to find with the tall grass, however, it is important it be done before winter when highway trucks will be plowing.

2. **Manitowoc County Highway Department:**

Jerry Halvorsen of the Soil & Water Conservation Department in Manitowoc County stated that he has been involved with issues in the Cooperstown area since January. After heavy rains, contaminated wells were discovered in the areas with high levels of ecoli because of animal or human waste. Maps were distributed showing the various sites, along with pictures of the sink holes.

Mr. Halvorsen indicated that a meeting with the residents is scheduled for tomorrow August 12th.

Other Issues:

Blacktop in Cooperstown – Mr. Vaclavik indicated it is the opinion of the Authority this is not their responsibility.

Shoulder Issues – Will be discussed at special meeting scheduled for Friday, August 15th.

Driveways/Sinkholes/Cables/Plugged Culvert – will be discussed at special meeting scheduled for Friday, August 15th.

3. **Chlorine Residual Monitoring at Master Meter Station – Potential SCADA Connection to Members – EFI Proposal for Additional Services:**

Mr. Vaclavik reported that Manitowoc is working with EFI and he expects a proposal in the near future. Mr. Berndt pointed out that the chlorine residual on the incoming monitor in Allouez is showing a variance. They have experienced problems with the analyzer itself and repairs are needed due to malfunctioning.

4. **EFI Progress Report:**

No report at this time.

5. **Connection Station Maintenance Requirements – CBCWA/Member Community Allocation of Responsibility:**

Mr. Vaclavik will be updating maintenance requirements and report back to committee.

6. **Claim from Radant Development for Water service Repair:**

Mr. Vaclavik indicated that this invoice in the amount of \$6,744 appears to be the responsibility of the CBCWA.

**Motion made by Allouez and seconded by Lawrence to approve the claim from Radant Development for water service repair in the amount of \$6,744.
MOTION APPROVED UNANIMOUSLY**

7. **MPU Fiber Optic Management Proposal:**

A proposal from MPU relative to CBCWA fiber optic was reviewed relative to a request on 8/17/08 that MPU perform the management services for fiber optic system while the CBCWA retain ownership

CBCWA has installed fiber optic cable and a conduit system adjacent to the 65 miles of transmission water main. The installation contractor spliced the fibers required to facilitate SCADA communication, with 12 fibers available for revenue generation. MPU purposes to manage the system as follows:

Part A – Managing – MPU will provide underground locating services. This will be invoiced as 30% of the cost of locating the water transmission facilities. They will facilitate adds, moves, changes, and repairs to accommodate additional customers, infrastructure relocates, etc. These services will be invoiced/ reimbursed on a time and materials basis for both MPU and contractor related costs.

Part B - Marketing – The CBCWA has at least 12 to 16 unused fibers for revenue generation. MPU owns the fiber loop with their city and has been able to generate revenues. They propose that the CBCWA establish a marketing budget annually for fiber optic from which MPU costs will be reimbursed on a time and expense basis. When MPU is successful in obtaining a lease agreement for the fiber, revenues will be split 80% for the CBCWA and 20% for MPU

Discussion of the proposal resulted in the consensus to implement Part A at this time, however, to hold Part B for 90 days to investigate other options.

Motion made by Allouez and seconded by Howard to implement Part A and hold Part B for 90 days. MOTION APPROVED UNANIMOUSLY

8. **System Pressure Modeling:**

To be discussed at special meeting scheduled for Friday, 8/15/08.

9. **Hobart Booster Station Repair – Recommendations and Award:**

Mr. Rosenbeck reported that this issue relates to the replacement of the automatic transfer switch. Although plans required a 12” slab to hold the generator, only a 6 “slab was poured by Advance Construction. A proposal has been received from Advance in the amount of \$48,470 to repair issues at this site. A secondary proposal from Martell Construction came in at \$48,500.

In order to have time to review the proposals, this item will be on the agenda of the special meeting scheduled for Friday, 8/15/08.

10. **Sidewalk Replacement at Metering Stations – Recommendation and Award:**

Although other quotes were attempted, Mr. Rosenbeck stated he has received a proposal from Martell Construction in the amount of \$10,400 for sidewalk replacement at the Master Meter Station. Consensus of the committee was to approve this proposal.

Motion made by Allouez and seconded by Howard to recommend approval of the bid from Martell Construction for sidewalk replacement at the Master Meter Station in the amount of \$10,400.

MOTION APPROVED UNANIMOUSLY

11. **Corrpro Status Report:**

Although an update was received from Corrpro, Mr. Rosenbeck indicated it was not helpful. He was directed to discuss discontinuity issues with Mark Lambert in Manitowoc. These issues will be further discussed at a special meeting, Friday, 8/15/08.

12. **Air Release/Manhole Project Schedule:**

The air release manhole project will begin after Labor Day.

13. **Final Approval Contract J:**

This contract, related to chlorination, was recommended for approval.

Motion made by Allouez and seconded by Bellevue to recommend final approval of Contract J in the amount of \$7,423.62.

MOTION APPROVED UNANIMOUSLY

14. **Contract Status Reports:**

Meetings were held in July with representatives of all contracts not yet closed out at which time they were informed of needed information to proceed. As of this date, that information has not been received.

Other:

- The committee was informed that the CBCWA has been sued by SJ Lewis.
- A humidifier will be purchased for the Village of Bellevue in the amount of \$249.75.
- A request was made that Mr. Rosenbeck get an update on needed culvert repair at Pine Grove Road.

15. **Next Meeting:**

Special Meeting – Friday, August 15th, 2008 – Allouez, 8:30 a.m.

Regular Meeting - Monday, September 8th, 2008 – 1:30 p.m., Allouez

Adjourn:

Motion made by Howard and seconded by Bellevue to adjourn at 3:40 p.m.

MOTION APPROVED UNANIMOUSLY

Respectfully submitted,

Rae G. Knippel
Recording Secretary