



## MEMORANDUM

DATE: September 19, 2016

TO: Commissioners

FROM: Dan Duchniak, General Manager

RE: Root River Monitoring proposal

As you are aware, the Waukesha Water Utility has received approval to obtain Great Lakes water. In November 2009, the Water Commission hired CH2M Hill to provide technical assistance throughout the application approval process. Staff is currently working through the process to hire the Program Manager/Construction Manager (PM/CM) to assist us in implementing the new water supply.

Regardless of who is hired to complete the PM/CM portion of the contract, CH2M will continue to work with Waukesha in obtaining the necessary permits to implement this project. The first phase of this relates to return flow and obtaining the necessary background information on the water quantity and quality in the Root River.

We have worked with CH2M to negotiate an agreement with the USGS to assist in gathering some of the data necessary for the Root River. This data, along with additional water quality data gathered at locations both upstream and downstream of the return flow location, will be used to assist in acquiring the necessary permits for the return flow of the water to the Great Lakes.

This phase of the monitoring program will consist of gathering water quantity (one location) and temperature data (four locations). We have purchased some of the equipment that will be used by the USGS to gather this data. The USGS will be constructing and installing a monitoring station at the proposed return flow location. They will be responsible for obtaining the data from the Root River and provided Waukesha with the data. This data will then be utilized during the permitting process.

In order to accomplish this, we have negotiated contracts with USGS to construct the monitoring station and provide the operations and maintenance necessary to obtain the relevant information and we have negotiated a change order to the CH2M contract to allow for the interpretation of the data and the technical assistance necessary to obtain the permits.

The USGS Contract is for an initial cost of \$44,125 which includes the construction of the monitoring station and the first year of operations and maintenance.

The CH2M change order is for a cost and expense not to exceed \$75,000. This will provide for data interpretation and permit assistance. This will be reviewed with the PM/CM once they are hired and under contract with the Water Utility.

***Recommended motion:*** Move to approve the contract with the USGS for Root River Monitoring at a cost not to exceed \$44,125 and also a change order with CH2M for a time and expenses contract in the amount of \$75,000.00.