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MEMORANDUM

Date: July 26, 2016
To: Doug Lien, City of Northfield Utilities Manager
From: Jon D. Peterson P.E., Project Manager
Subject: Ultraviolet Disinfection Replacement Project Bid Documents
City of Northfield, Minnesota
City Project No. WSTR2016-J07
Project No.: M23.112089

This memorandum will serve to summarize the Contract Documents for the Ultraviolet Disinfection Replacement project.

Project Scope:

The proposed project involves replacement of the ultraviolet (UV) disinfection equipment at the City of Northfield Wastewater Treatment Facility. The scope of the proposed construction project includes the following elements:

1. Removal of existing UV disinfection equipment
2. Modifications to the effluent channel to accommodate the new equipment
3. Coating the effluent channel
4. Re painting the entire UV disinfection building.
5. Removal of the existing UV equipment power and control panels
6. Installation of new UV equipment, including new power and controls
7. Modifications to the building HVAC equipment

Estimated Cost:

The total project cost, based on the contract documents and scope of work, is summarized as follows:

Base Bid – UV Replacement	\$693,088
Engineering	116,154
SCADA/Controls Modifications	28,000
Total Project Cost	\$837,242

The project budget for this work is \$893,750. A detailed cost breakdown is attached for reference.



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Project Schedule:

The work of replacing the UV disinfection equipment will be accomplished during the winter of 2016-2017, to coincide with the City's non-disinfection requirement from October 31-March 31. In order to accommodate this schedule, the contract documents include the following schedule:

City Council authorizes bids:	August 2, 2016
Advertise for bids:	August 10, 17 and 24, 2016
Receive bids:	August 29, 2016
Award contract:	September 6, 2016
Begin work on site:	December 1, 2016
Complete work on site/start-up new equipment:	March 17, 2017
Begin disinfection with new equipment:	April 1, 2017
Two year warranty period complete:	March 17, 2019

JP:bja

Attachment: 7/26/2016 Cost Summary