



RHMG ENGINEERS, INC.

975 Campus Drive, Mundelein, IL 60060
847.362.5959 | Fax 847.362.0864
www.rhmg.com

February 5, 2021

Mr. Tom Miles, P.E.
Principal Engineer
Lake County Public Works
650 Winchester Road
Libertyville, IL 60048

Re: Proposal for Professional Engineering Services
Preliminary Engineering Assessment
Des Plaines River WRF Bar Screen Replacement

Dear Mr. Miles:

Pursuant to your request, we are pleased to submit this proposal to investigate the replacement of the existing Coarse Mechanical Bar Screen at the Des Plaines River Water Reclamation Facility

Background

Screening at the Des Plaines Water Reclamation Facility is currently provided by a WSG Solutions/ Envirex coarse mechanical bar screen and two (2) fine bar screens by Headworks with JWC wash press grinders.

The coarse mechanical bar screen has rusted and is experiencing structural failure. The other equipment is believed to be in operational condition.

LCPWD now desires to conduct an assessment to determine appropriate remedial action.

Scope of Services

Our proposed scope of services for this assignment includes the following:

1. **Documentation Review** – RHMG will review documentation, including shop drawings, O&M manuals, and construction plans prior to the site investigation to establish the project history and background.
2. **Site Visit For Equipment Evaluation** – RHMG will conduct a site investigation to determine the condition of the existing coarse mechanical bar screening equipment in the raw wastewater pump station.
3. **Memorandum Detailing Replacement Recommendations** – RHMG will make recommendations on required equipment replacement, conceptual cost estimate, and anticipated implementation schedule.



Mr. Tom Miles, P.E.
Lake County Public Works Department
Re: Proposal for Professional Engineering Services
Preliminary Engineering Assessment
Des Plaines River WRF Bar Screen Replacement

February 5, 2021

Page 2

Engineering Fee

RHMG proposes to perform the above services on an hourly rate basis, using the rates included as Exhibit A, with a not-to-exceed fee limit of \$4,950. A detailed hour estimate illustrating the basis of the proposed fee limit is included as Exhibit B.

Schedule

We will complete the services outlined herein within 20 calendar days after authorization.

We appreciate this opportunity to be of continuing service to the Lake County Public Works Department. If you have any questions or comments, please contact me at our Mundelein office.

Sincerely yours,

RHMG ENGINEERS, INC.

A handwritten signature in black ink, appearing to read "William R. Rickert", is written over a horizontal line.

William R. Rickert, P.E., BCEE, CFM
President

Attachments

cc: Brittany Sloan

Exhibit A

Billing Rates

Classification	Billing Rate
Senior Principal	\$180.00
Principal/Project Manager	\$157.00
Senior Project Engineer	\$150.00
Senior Designer	\$147.00
Project Engineer	\$122.00
Junior Engineer	\$108.00
Structural Engineer	\$157.00
Architect	\$124.00
Electrical Engineer	\$151.00
Field Engineer	\$128.00
Field Representative	\$108.00
Senior Drafter/Technician	\$96.00
Drafter/Technician	\$90.00
Junior Drafter/Technician	\$71.00
Clerical	\$69.00



HOURS						
Project Tasks	Principal / Proj. Manager	Senior Engineer	Project Engineer	Clerical	Hours per Task	Fee per Task
1 Document Review and Site Visit for Equipment Evaluations		8	8		16	\$ 2,176.00
2 Memorandum	2	8	8	2	20	\$ 2,674.00
Total Hours	2	16	16	2	36	
Billing Rate	\$ 180.00	\$ 150.00	\$ 122.00	\$ 69.00		
Labor Cost	\$ 360	\$ 2,400	\$ 1,952	\$ 138		\$ 4,850.00
Expenses						\$ 100.00
Total Fee						\$ 4,950.00