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Project Information

Services Name: Allerman and Concord Lift Stations - Preliminary Engineering Report

Services Description: Preparation of a Preliminary Engineering Report for the Allerman and Concord Lift Stations to include a description of the project, relevant background information, description of environmental design issues, collection system modeling updates, lift station location and layout alternatives, force main route alternatives, and opinion of probable costs for each alternative.

Scope of Services

ENGINEER will provide the following services to the OWNER:

1. Review existing drawings and reports provide by OWNER to obtain background information for the Allerman and Concord Lift stations.
2. Conduct a site visit to the Allerman and Concord lift stations to review existing pump station interior and exterior conditions.
3. Review with OWNER the potential future sewer services area and anticipated land use for the Allerman and Concord lift stations. Calculate the anticipated 20-year lift station and force main capacities and sizes based on the agreed-upon service area and land uses selected by OWNER.
4. Review the existing sanitary sewer system performance using the calibrated sewer system model previously prepared by ENGINEER.
5. Prepare up to two conceptual layouts for the Allerman lift station including rehabilitation of the existing station and a new lift station. Provide preliminary plan and section drawing for each alternative.
6. Prepare up to three conceptual force main layout and preliminary plan drawings for the Allerman lift station force main using existing geographical information system (GIS) data provided by OWNER.
7. Prepare opinions of probable construction costs (OPCC) for the Allerman lift station and force main alternatives.
8. Meet with the OWNER to discuss estimated flows, conceptual lift station and force main alternatives, and OPCC.
9. Prepare an Abbreviated Facilities Plan, or Engineering Report, to summarize the results of the study. The Engineering Report will be formatted to satisfy the submittal requirements of the Wisconsin Department of Natural Resources (WDNR) Clean Water Fund (CWF) program. The report will include the following items:
 - a. A review and summary of prior studies and reports related to the potential lift station and summary of existing facilities including age, capacity, limitations.
 - b. A summary of the characteristics of the 20-year and ultimate service area to the potential lift station. Discussion of estimated 20-year and ultimate wastewater flow rates to the potential lift station.

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- c. A description and preliminary drawings of the lift station location and layout alternatives and force main route, including a summary of the OPCCs for each.
 - d. Documentation and review of potential environmental design issues at the potential lift station site and along the force main routes, review of existing easement and property ownership, and discussion of potential funding opportunities.
- 10. Meet with OWNER to discuss draft Engineering Report. Incorporate OWNER's comments as appropriate into final report.
 - 11. Submit Engineering Report to WDNR for approval.

Compensation

OWNER shall compensate ENGINEER for Services under this Task Order on an hourly basis plus expenses an estimated fee not to exceed \$46,000.

Schedule

Services will begin upon execution of this Task Order, which is anticipated the week of Jan 1, 2024. Services are scheduled for completion on May 1, 2024.