



Task Order No. 22-01
Racine Water Utility (OWNER)
and Strand Associates, Inc.® (ENGINEER)
Pursuant to Agreement for Technical Services dated December 4, 2019

Project Information

Project Name: Chicory Road Area Sewer Improvements

Services Description: Provide design and bidding-related services for the wet weather storage basin along Chicory Road

Scope of Services

ENGINEER will provide the following services to OWNER.

Preliminary Design Services

1. Participate in one project kickoff meeting with OWNER to review available information, project goals, schedule, operation and maintenance goals, potential wet weather storage tank sites, potential environmental issues, utility communication, and easement acquisition.
2. Prepare a preliminary design report evaluating preliminary design concepts and site layouts for the storage basin and pumping station, equipment preferences for the pump station, generator, storage basin cleaning system, preliminary control strategies, OWNER architectural preferences, contract bidding preferences, and supervisory control and data acquisition (SCADA) incorporation. Evaluate up to three different sites for the wet weather storage basin. Prepare an opinion of probable construction cost (OPCC) for each site.
3. Participate in a preliminary design review meeting with OWNER to discuss the preliminary design report.
4. Conduct a topographic survey of the selected site to gather information to prepare the Bidding Documents.
5. Assist OWNER with procurement of a geotechnical consultant for the project. Communicate with OWNER-procured geotechnical consultant and review geotechnical report.
6. Develop the schematic and spatial design drawings for construction of a 1.66 million gallon storage basin, drainage pump station, and brick and block generator building to house pump station, and storage basin control panels, and a generator to provide standby power for the site.
7. Design a diversion structure, up to 500 linear feet of 36-inch gravity sewer from the diversion structure to the storage basin, 1.66 million gallon storage basin, submersible drainage pump station, up to 500 linear feet of 12-inch force main from the drainage pump station to the diversion structure, and generator building. Design support systems including process, hydraulic, structural, electrical, SCADA, and mechanical elements and prepare calculations to design the components.

Racine Water Utility
Task Order No. 22-01
Page 2
January 10, 2022

8. Prepare site drawings including a fence enclosing the site with manual gate(s), driveway to the generator building, access road around the storage basin, and structure drawings.
9. Prepare one easement description with exhibit figure for the wet weather storage tank site. OWNER shall obtain easement.
10. Attend up to three review meetings with OWNER at approximately 30, 60, and 90 percent drawing completion.
11. Prepare 30, 60, and 90 percent OPCCs for the project and submit to OWNER.
12. Prepare Bidding Documents using Engineers Joint Contract Documents Committee C-700 Standard General Conditions of the Construction Contract, 2018 edition, technical specifications, and engineering drawings.
13. Submit the draft Bidding Documents to OWNER; incorporate review comments, as appropriate; and submit three copies of the final Bidding Documents to OWNER.
14. Submit Bidding Documents to the Wisconsin Department of Natural Resources (WDNR) for approval.

Permitting and Funding Assistance

1. Assist OWNER in preparing WDNR Notice of Intent, endangered resources field review, and historical and archaeological review for selected site.
2. Assist OWNER with preparing a Clean Water Fund Program (CWFP) Loan application for submittal to WDNR.
3. Assist OWNER with preparing the first CWFP request for disbursement.
4. Prepare a parallel cost ratio for submittal to WDNR.

Bidding-Related Services

1. Distribute Bidding Documents electronically through QuestCDN, available at www.strand.com and www.questcdn.com. Submit Advertisement to Bid to OWNER for publishing.
2. Answer questions during bidding and prepare addenda, if needed, to clarify the Bidding Documents.
3. Prepare agenda and attend prebid meeting with OWNER and bidders.
4. Attend bid opening, tabulate and analyze bid results, and assist OWNER in the award of the Construction Contract.

Additional Design Services

Depending on the site selected, environmental services may be needed for modifications to a site with continuing obligations. ENGINEER will provide the following services, if authorized. Below is additional scope for these services:

1. Assist OWNER with procurement of an environmental consultant to collect up to 16 soil borings on a 50-foot grid spacing of 30 feet. Analyze and summarize sampling data.

Racine Water Utility
Task Order No. 22-01
Page 3
January 10, 2022

- 2. Prepare WDNR Post Closure Modification for submittal by OWNER. OWNER shall pay all WDNR review fees.
- 3. Prepare Soils Management Plan for inclusion with Post Closure Modification.

Service Elements Not Included

In addition to those listed in the associated Agreement for Technical Services, the following services are not included in this Task Order. If such services are required, they will be provided through an amendment to this Task Order.

- | | |
|--------------------------------|-------------------------------------|
| 1. Construction Administration | 4. Public Involvement |
| 2. Construction Observation | 5. Stormwater Management Facilities |
| 3. Construction Staking | 6. Wetland Delineation |

Compensation

OWNER shall compensate ENGINEER for Services under this Task Order on an hourly rate basis plus expenses an estimated fee of \$635,000.

OWNER shall compensate ENGINEER for **Additional Design Services**, if authorized, under this Task Order on an hourly rate basis plus expenses an estimated fee of \$40,000.

Schedule

Services will begin upon execution of this Task Order, which is anticipated the week of January 24, 2022. Services are scheduled for completion on May 26, 2023.

TASK ORDER AUTHORIZATION AND ACCEPTANCE:

ENGINEER:

OWNER:

STRAND ASSOCIATES, INC.®

RACINE WATER UTILITY

Joseph M. Bunker
Corporate Secretary

Date

Mike Gitter, P.E.
Interim General Manager

Date