

March 6, 2025

Brenda Ayers  
City Administrator

James Lincoln  
Utilities, Streets, and Parks Superintendent

City of Lodi  
130 S. Main Street  
Lodi, WI 53555

Subject: Amendment #1 to Engineering Task Order #2 for Wastewater Facilities Planning Study

Dear Brenda and James:

The City of Lodi undertook a planning effort for their wastewater treatment facility (WWTF) in late 2024 with the assistance of Town & Country Engineering. Initial evaluations have identified significant WWTF capacity limitations that were previously not understood, and constraints at the WWTF that preclude physical expansion of the facility's footprint. Treatment of the City's flows and loads at the existing site remains a feasible option but may not be cost-effective or in the best long-term interest of the City. The City would likely be unable to accept wastewater from neighboring treatment facilities.

Based on this and in conversation with the City staff, we are proposing to expand the scope of the Facilities Planning evaluation to consider treatment at a new treatment facility site and to evaluate cost-effective treatment alternatives with possible regional wastewater treatment partners, also at a new site. These alternatives would be compared to alternatives that maintain treatment at the existing WWTF site.

The Amendment Scope includes three sub-evaluations:

1. Compare three alternatives for wastewater and sludge treatment at a new WWTF site for the City of Lodi with the goal of identifying one or more cost-effective treatment alternatives at a new treatment facility. These alternatives would be compared to those at the existing WWTF site.
2. Evaluate the same set of treatment alternatives as #1, but based on capacities that would accommodate the combined flows and loads of Lodi and other possible contributing WWTFs in the region.
3. Identify and compare suitable sites to locate a new WWTF if the City decides to further consider construction at a new facility.

We anticipate that the first sub-evaluation would be completed concurrent with evaluation of treatment alternatives at the existing wastewater treatment facility, with subsequent completion of the other two sub-evaluations if the City has continued interest in consideration of a new treatment facility.

Our scope of services for this Task Order Amendment, broken down by sub-evaluation, includes the following, which will be performed in accordance with our Master Services Agreement dated

March 2, 2024. These tasks are in addition to those included in the Task Order #2, dated September 17, 2024.

### New WWTF Treatment Alternatives

1. Develop a list of three treatment alternatives to evaluate at a new wastewater treatment facility. The technologies selected for evaluation will be determined based on the City's public works staff feedback and Town and Country's experience with cost-effective solutions for similarly-sized facilities. In addition to meeting current regulatory requirements, the identified alternatives will also consider future regulatory requirements such as phosphorus, nitrogen and PFAS.
2. Determine sizing needs for each alternative's treatment units based on the 20-year design flows and loadings that were developed as part of the initial facilities planning evaluation. This will include preliminary basin and equipment sizing and will also consider ancillary facility needs such as garage and storage, laboratory, and WWTF administrative offices.
3. Determine capital, operation, and replacement costs for each of the alternatives and analyze the total present worth cost for each. The present worth cost is used to determine the economic viability of each alternative.
4. Address environmental impacts of each alternative and evaluate non-quantitative issues such as health and safety, ease of operation, etc.
5. Assist the City in determining whether to upgrade the existing facility or to construct at a new treatment facility site.

### Regionalization Treatment Alternatives

1. Determine the combined 20-year design flows and loads for Lodi in conjunction with each combination of the other facilities that are interested in regional wastewater treatment. This assumes the other interested communities provide projections for our incorporation to the evaluation. Town and Country will utilize the projections developed for the City of Lodi along with projections provided by the other facilities' engineers to determine the combined design conditions of Lodi plus each combination of the other facilities.
2. Evaluate sizing needs for each of the same alternatives that were considered for the Lodi-only treatment alternatives. These will be determined for each of the 20-year design flows and loading scenarios developed under Item 1.
3. Determine capital, operation, and replacement costs for each of the alternatives and analyze the present total worth cost for each. This would be completed for each combination of the loading scenarios, and costs would be allocated by each contributing facility. The present worth cost is used to determine the economic viability of each alternative.
4. Address environmental impacts of each alternative and evaluate non-quantitative issues that differ from those under the Lodi-only scenario.
5. Assist the City in determining whether to further pursue regional wastewater treatment.

### New WWTF Siting

1. Perform a GIS (geographic information systems) analysis of possible treatment facility sites using criteria such as required setbacks, general location requirements, and

necessary land area to identify and rank areas and/or parcels where a new WWTF may be located.

2. Manually evaluate sites identified under Item 1 for more subjective criteria. These may include working relationships between the City and landowner, flexibility for expansion, and possibility for parallel rural development efforts such as extension of other City services (electric, sewer, water, etc.). The actual or possible outcome(s) of the Regional Treatment evaluation will also be considered as a part of this evaluation.
3. The possible discharge locations for candidate sites will be submitted to DNR for their determination of likely effluent limits. These limitations will be utilized in the site selection evaluation.
4. Assist the City in selecting one or more suitable sites.

The cost for the additional facilities planning evaluations will vary depending on the number of meetings required, length of time for alternative selection, and the time required for regulatory coordination. **The engineering cost for the above scope will be billed on an hourly basis and will not exceed:**

- **New WWTF Alternatives: \$20,000**
- **Regional Treatment Alternatives:**
  - **Lodi and one other contributing WWTF: \$18,000**
  - **or**
  - **Lodi and two other contributing WWTFs: \$25,000**
- **New WWTF Siting: \$15,000**

There are other potential expenses that the City may have to assume during facilities planning but which will not be defined until the study is further progressed. This may include:

- Coordination between the City and other potential regional partners. This would be invoiced on an hourly basis.
- Land acquisition coordination. This would be invoiced on an hourly basis.
- Industrial negotiations
- Effluent toxicity evaluations and studies
- Soils investigations
- Wetland studies
- Archeological investigations
- Endangered species evaluations
- Easements, land acquisitions, or negotiations with landowners
- Procurement of grants and loans
- Design or construction

Our work will be done on a time and materials basis using the current charge-out rates in our Master Services Agreement.

Please indicate City acceptance by signing below and returning a copy for our files. The effective date for this Task Order Amendment will be **March 11, 2025**.

Thank you again for the opportunity to work with you. We very much appreciate our relationship and look forward to a successful project.

Sincerely,  
TOWN & COUNTRY ENGINEERING, INC.



Amy M. Bares, P.E.  
Senior Project Engineer

OWNER: **City of Lodi**

ENGINEER: **Town & Country Engineering, Inc.**

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Ann Groves Loyd  
Mayor

Date: \_\_\_\_\_

Attest:

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Ben Heidemann, P.E.  
Vice President

Date: \_\_\_\_\_

Attest:

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Brenda Ayers  
City Administrator

Date: \_\_\_\_\_

130 South Main Street  
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Phone: 608-592-3247

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Amy M. Bares, P.E.  
Senior Project Engineer

Date: \_\_\_\_\_

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**AMB**

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