

This is Task Order No. 1,
consisting of 7 pages.

Task Order

In accordance with Paragraph 1.01 of the Agreement Between Owner and Engineer for Professional Services – Task Order Edition, dated _____ ("Agreement"), Owner and Engineer agree as follows:

1. Background Data

- a. Effective Date of Task Order:
- b. Owner: City of Celina
- c. Engineer: Jones & Henry Engineers, Ltd.
- d. Specific Project (title): Draft NPDES Permit and No Feasible Alternative Analysis
- e. Specific Project (description): Proposal attached, dated March 3, 2023

2. Services of Engineer

- A. The specific services to be provided or furnished by Engineer under this Task Order are as follows:
Proposal for Draft NPDES Permit and No Feasible Alternative Analysis, dated March 3, 2023
- B. Resident Project Representative (RPR) Services – Not used.
- C. Designing to a Construction Cost Limit – Not used.
- D. Other Services – Not used.
- E. All of the services included above comprise Basic Services for purposes of Engineer's compensation under this Task Order.

3. Additional Services – Not used

4. Owner's Responsibilities

- A. Owner shall have those responsibilities set forth in Article 2 of the Agreement and in Exhibit B, subject to the following: No modifications.

5. Task Order Schedule

In addition to any schedule provisions provided in Exhibit A or elsewhere, the parties shall meet the following schedule: Scheduling will be coordinated with the Owner as described in Section 2.A.

6. Payments to Engineer

- A. Owner shall pay Engineer for services rendered under this Task Order as follows: Owner will be billed on a time and expense fee as described in Section 2.A.
- B. Based on the attached letter proposal, dated March 3, 2023.

Task Order Form

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7. Consultants retained as of the Effective Date of the Task Order: None

8. Other Modifications to Agreement and Exhibits: None

9. Attachments: Proposal for Draft NPDES Permit and No Feasible Alternative Analysis, dated March 3, 2023.

10. Other Documents Incorporated by Reference: None

11. Terms and Conditions

Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is _____.

OWNER: City of Celina

ENGINEER: Jones & Henry Engineers, Ltd.

By: _____

By: 

Print Name: _____

Print Name: Peter A. Latta, CDT®, CSI, Principal

Title: _____

Title: Toledo Office Director

By: 

Print Name: Jake Meinerting, PE

Title: Cincinnati Office Director

Engineer License or Firm's COA.02387

Certificate No. (if required): _____

State of: Ohio

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: _____

Name: Peter A. Latta, CDT®, CSI, Principal

Title: _____

Title: Toledo Office Director

Address: _____

Address: 3103 Executive Parkway, Suite 300

Toledo, Ohio 43606

E-Mail Address: _____

E-Mail Address: PLatta@JHEng.com

Phone: _____

Phone: 567-661-0251

Task Order Form

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March 3, 2023

Mayor Jeffrey Hazel
City of Celina
225 North Main Street
Celina, Ohio 45822

Subject: City of Celina, Ohio
Draft NPDES Permit and
No Feasible Alternative Analysis

Dear Mayor Hazel:

Thank you again for selecting Jones & Henry to assist the City of Celina on this important project. We are pleased to provide you with this proposal letter as we discussed in our meeting on January 2, 2023.

Project Understanding

The City's NPDES Permit was issued in May 2019, and the City received the draft NPDES Permit just days prior to our meeting on January 11, 2023. The current and draft permits contained a compliance schedule which stated in general, the City is required to take the necessary action to complete a No Feasible Alternative Analysis (NFA) for the elimination of the plant bypasses.

Our suggestion to the City is to contact the Ohio EPA as soon as possible, advising them the City has retained Jones & Henry to assist the City with the NFA. This demonstrates to the Ohio EPA that the City is taking the necessary action toward compliance.

We understand, while the actions have not been completed, the City has previously met with the Ohio EPA to discuss their compliance schedule. The Ohio EPA has verbally agreed during these discussions to set a goal for the elimination of the WWTP bypass for events less than a ten-year storm event. Defining the ten-year storm will be important as the project moves along.

We generally discussed the bypass data provided by the City that indicates small events of normally less than one million gallons in size occur approximately eight times per year. When events occur, normally, one plant influent screw pump is operating at full speed and two screw pumps are operating at reduced speed (~40 Hz), and the influent flow rises sharply in a short period of time, indicating inflow is occurring within the collection system.

Inflow that makes it to the WWTP quickly is often considered "low-hanging fruit" which can be discovered by smoke testing and hopefully quickly identified. We discussed options for addressing this low-hanging fruit, focusing primarily on the industrial and commercial areas as well as the main trunk sewers and interceptors' sewers. The City's team is reviewing current manhole conditions, locating any brick or failing manholes, and scheduling them for rehabilitation or replacement. These are sources of low-hanging fruit also which we will coordinate with the City when reviewing collection system records.

The City's goal is to reduce/eliminate the overflow events to the previously discussed limit of less than a ten-year storm event. We discussed a comprehensive approach to this goal which involves the following:

Project Approach

We will provide a review of the draft NPDES Permit and develop a memorandum for the City, identifying the differences and action items. In addition, we will review the compliance schedule, and provide a letter addressing the schedule and suggested adjustments to the schedule.

Our work scope will chiefly be based on the permit requirements in their existing permit and summarized again in the draft permit under Part I C-Schedule of Compliance, Paragraph B.

- We estimate meeting monthly for a period of 8 months, once work commences, to discuss the project's progress. We plan to meet in person 3 times and 5 times virtually. Meeting discussions will be documented with meeting minutes.
- We included two meetings with the Ohio EPA to discuss the findings of the NFA and a follow-up meeting.
- We will prepare a report to document the findings of our evaluations. The intent is to submit the report of our findings to the Ohio EPA, provided that the investigation yields actionable items that may reduce/eliminate the bypass. If the first phase does not yield action items, it may be necessary to complete Task 1f, g, h, i, j, prior to submitting the report.
- Task 1a – Assessment of POTW component flow [Unit Processes] and treatment capacities;
 - The unit process evaluation will be coupled with the POTW evaluation and performance, considering also the performance as flow rates increase.
- Task 1b – Assessment of present base and peak flows to the POTW and projected future flows;
 - Utilizing existing flow data (no flow monitoring).
 - We will need input from the City as to expected growth or increase in flows.
- Task 1c – Assessment of potential hydraulic limitations and bottlenecks at the POTW and in the sewer collection system that could be reduced or eliminated to increase flows through all treatment processes and/or the sewer collection system;
 - Assessment of potential hydraulic limitations and bottlenecks at the POTW or eliminated to increase flows through all treatment processes and/or the sewer collection system;
 - We will perform a topographical survey of the WWTP focusing on the hydraulics (weir elevations, channel elevations, sewer and pipe inverts, etc., associated with hydraulics). This will include the nearest portions of the sewers which feed the plant and bypass.
 - Note, we are excluding flow monitoring in the sewer collection system at this time.
- Tasks 1d and 1e – Collection System
 - Continue our data review of the plant overflow events.

- We will develop a sampling procedure for the overflow events (at the plant). The City will implement the sampling procedure, and we will evaluate the data collected.
- Sewer investigation, at this time, will only include a review of the City records, past investigations, and work completed to date, and a broad review of the collection system maps to understand system layout and operation (i.e., trunk sewers, pump stations, diversion chambers, CSO and SSO, etc.).
- We will not estimate I/I, rainfall, duration/intensity, or correlations to lake level at this time. These estimations related to flow will be required and completed later for the NFA if required.
- Smoke testing will involve the following:
 - We intend to smoke-test both the sanitary.
 - The City will provide a GIS map of manholes with an identification number. Obtaining the shapefiles for the storm and sanitary assets would be preferred.
 - We will provide two Jones & Henry employees to start the project. The City will provide two employees. Jones & Henry and the City staff will coordinate the data collection and observation during the smoking efforts. We can coordinate utilizing the City GIS system to accomplish this task.
 - Generally, we will work two to three days a week in the field, on a regular schedule from start to finish of this work (weather dependent). This work can commence one day after public notices have been made and GIS information has been obtained.
 - We have reviewed the GIS mapping of the collection system and estimate 75 miles of sanitary sewer. The City only desires to smoke commercial and industrial areas. Typical progress is approximately 2 miles per day, in the field, to smoke sanitary sewers. We estimate 10 days in the field to smoke the limited area requested.
 - Once the areas have been completed, we will prepare a "Summary of Findings," and submit this to the City. The Summary of Findings will include field observations, photos, maps, and other field documents, as may be necessary to document areas of concern for potential cross-connections.
 - We will prepare a plan for public notification for distribution by the City, along with providing draft public notices for local media and door hanger notices for individual homes and businesses.
 - The City will provide traffic control.
 - Additional efforts, beyond our scope, to identify I/I are close-circuit television inspections of sewers and dye testing, which are not included in our scope at this time.

Mayor Jeffrey Hazel
March 3, 2023
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- Tasks 1f, g, h, i, j – Will not be performed at this time.
 - As we discussed, let's see what Tasks 1a to 1d produces first.
 - Then assess the findings of Tasks 1a through 1d to determine the next steps.

Project Fees

Our estimated fee for the engineering services to complete the scope of work listed above is as follows:

NPDES Renewal	\$6,000
Site Survey	\$5,000
Tasks 1a, 1b, 1c, 1d, 1e	\$88,020
Tasks 1d, 1e – Collection System Smoke Testing /Field Work	\$74,920

Actual charges will be based on time and expenses and will not exceed the estimated fee without approval by the City.

Sincerely,

JONES & HENRY ENGINEERS, LTD.

A handwritten signature in blue ink, reading 'Peter A. Latta', is written over a horizontal line.

Peter A. Latta, CDT®, CSI
Toledo Office Director

PAL/bjm

PRICE PROPOSAL FORM

TASK	ESTIMATED TASK HOURS	TOTAL COST
Tasks per NPDES Permit		
1a - Assessment of POTW component flow and treatment capacities	32	\$6,220.00
1b - Assessment of present base and peak flows to the POTW and projected future flows;	32	\$6,220.00
1c - Assessment of potential hydraulic limitations and bottlenecks at the POTW and in the sewer collection systems	122	\$17,840.00
1d - Analysis of collection system overflows, surcharging of sewers, sewage flows at the treatment plant that cause poor treatment plant performance and plant bypass events occurring in the last ten years	130	\$18,620.00
1e - Estimate of collection systems I/I contribution toward the occurrence of collection system overflows, surcharging of sewers, sewage flows at the treatment plant that cause poor treatment plant performance or plant bypasses	58	\$9,690.00
WWTP Survey	-	\$5,000.00
Meeting with OEPA (2 times Virtual)	16	\$3,050.00
Project Management, Meetings and NFA Report	144	\$24,650.00
Sub Total	534	\$93,020.00
Smoke Testing		
Field Work	344	\$50,360.00
Summary of Findings	120	\$16,360.00
Smoke & Equipment	-	\$8,200.00
Sub Total	464	\$74,920.00
Total Project Cost		\$167,940.00

Multiplier: Indirect labor
Multiplier: Profit & Overhead
Multiplier: Expenses
Multiplier: Subcontractors

2.286
1.40
1.10
1.10