

Information to be included in all Legislation Modifying* a Contract:**

1. **The names, contract compliance no. & expiration date, location by City/State and status of all companies (NPO, MAJ, MBE, FBE, HL1, AS1, or MBR) submitting a competitive bid or submitting an RFP or RFSQ.**

<u>Name</u>	<u>C.C. No./Exp. Date</u>		<u>City/State</u>	<u>Status</u>
EmNet	20-1118177	10/31/2016	South Bend, IN	MBR
Tetra Tech	95-4148514	9/30/2016	New Albany, OH	MAJ

2. **What type of bidding process was used (ITB, RFP, RFSQ, Competitive Bid).**

Requests for Proposals (RFP's) were opened on 5/8/2015

3. **List the ranking and order of all bidders.**

1. EmNet, LLC
2. Tetra Tech, Inc

4. **Complete address, contact name, phone number, and e-mail address for the successful bidder only.**

Elena Rubchinskaya
Tel #: 574.855.1012
Email: erubchinskaya@emnet.net
EmNet, LLC
121 S. Niles Ave. Suite 22
South Bend, IN 46617

5. **A description of work performed to date as part of the contract and a full description of work to be performed during any future phasing of the contract. The planning area should also be listed as well as any street or neighborhood names.**

During the original contract the Engineer conducted a study of the existing sewer system, with the purpose of planning the implementation of a real time control (RTC) strategy. The goal of RTC is to reduce overflows, plant bypasses, and DOSD operational costs. The study identified areas within the collection system that would benefit from RTC, and those that would not. Operational constraints and existing modeling was studied and used to propose the initial RTC implementation plan.

This contract modification will add new sensors to the collection system, create visual displays of live data, and demonstrate the live flow conditions of the collection system. Then a RTC dashboard will be created to show the predictive flow conditions for a select portion of the sewer system.

A future renewal is planned for expansion of the coverage area and the duration of the predictions.

The planning area is the entire service area.

6. An updated contract timeline to contract completion.

The original agreement passed council in fourth quarter 2015. NTP was issued for first quarter 2016. The first modification will occur 4th quarter 2018, followed by one renewal in 2019. It is anticipated that the work should be complete by the end of 2020.

7. A narrative discussing the economic impact or economic advantages of the project; community outreach or input in the development of the project; and any environmental factors or advantages of the project.

Real time control is expected to optimize operations of the City's wastewater treatment plants by maximizing sewer storage and conveyance, maximizing treatment, and reducing overflows. Reduction of overflow will have positive environmental benefits to receiving streams and public health.

8. A description of any and all modifications to date including the amounts of each modification and the Contract Number associated with any modification to date. (List each modification separately.)

The original contract, PO003393 not to exceed \$741,036.22, financed a study to define the RTC implementation. This will be the first modification of the original contract, and will begin the implementation of RTC. A future renewal for this contract is anticipated, along with a future RFP to continue the development work.

9. A full description of the work to be performed as part of the proposed contract modifications. (Indicating the work to be a logical extension of the contract is not sufficient explanation.)

This contract modification will purchase the development and implementation of a preliminary RTC dashboard. This will provide the wastewater treatment plants the ability to see the live sewage flows and levels at select locations within the system. After the preliminary dashboard is complete, the Engineer will develop an extension of the dashboard that will provide flow and level predictions for 2 hours into the future for select locations. The Engineer will then produce a report detailing a plan for expansion of the system.

10. If the contract modifications was not anticipated and explained in the original contract legislation a full explanation as to the reasons the work could not have been anticipated is required. (Changed or field conditions is not sufficient explanation. Describe in full the changed conditions that require modifications of the contract scope and amount.)

It was the original intent of this contract to include modifications. However, due to the complexity of City's collection system and ongoing capital improvements, the City was unable estimate the timing of these modifications, the effort involved, and the associated cost.

After the study was concluded, the City is now able to anticipate the scope of work and provide an estimated cost. There is a plan moving forward to implement RTC in a stepwise manner. This contract will have 1 modification and 1 future renewal. Additional expansion and development is warranted after the modification and renewal, therefore, a new RFP will be issued at that time.

11. An explanation of why the work to be performed as part of the contract modifications cannot be bid out. (Indicating the work to be a logical extension of the contract is not sufficient explanation.)

The current consulting firm has spent significant time and resources familiarizing themselves with the City's sewer system, hydraulic models, and operational constraints. They have put together the plan for how they will implement the RTC technologies. There would be duplication of these efforts if it were to be bid out at this time. Bidding the project again at this time, would slow the progress and delay RTC implementation.

12. A cost summary to include the original contract amount, the cost of each modifications to date (list each modifications separately), the cost of the modification being requested in the legislation, the estimated cost of any future known modifications and a total estimate of the contract cost.

The Modification amount is \$ 519,832.41. It is anticipated that this contract will have an additional renewal for continued development.

Original Contract (Study PO003393)	\$741,036.22
Modification No. 1 (Implementation, This MOD)	\$519,832.41
Renewal No. 1 (future renewal)	\$425,000.00

13. An explanation of how the cost of the modifications was determined.

The cost was determined by negotiations between EmNet and DOSD

14. Subconsultant information

See utilization form