

**ADDENDUM TO THE AGREEMENT  
BETWEEN THE CITY OF LAKEWOOD, OHIO  
AND  
THE FIRM OF OSBORN ENGINEERING CO.**

1. This Addendum to the Agreement between the City of Lakewood, Ohio and the Firm of Osborn Engineering Co., dated March 9, 2015 (“Agreement”), is entered into on this 9th day of March, 2016 pursuant to Article IV, Specifically Authorized Services of the Agreement.
2. The City of Lakewood and Osborn Engineering Co., wish to include additional services in the Agreement by way of this Addendum for Professional Engineering Design Services; 2018 Fischer Road Watermain Replacement Project as proposed in Osborn Engineering Co.’s, proposal dated April 19, 2018 attached hereto as “Exhibit A” in an amount not to exceed Thirteen Thousand Dollars and no/xx (\$13,000.00).

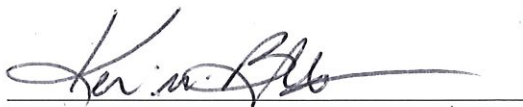
**IN WITNESS HEREOF**, the parties hereto have affixed their hands and seals at the City of Lakewood, Ohio this 8th day of May, 2018.

**CITY OF LAKEWOOD, OHIO**

Witnesses:



By:

  
\_\_\_\_\_  
Michael P. Summers, Mayor (Acting)  
Kevin M. Butler

**OSBORN ENGINEERING CO.**

By:



  
\_\_\_\_\_  
Scott A. Vura, PE, LEED AP, Vice President

**EXHIBIT A**



**OSBORN  
ENGINEERING**

April 19, 2018

Joe Beno, PE  
City of Lakewood  
Department of Public Works  
12650 Detroit Avenue  
Lakewood, Ohio 44107

Re: Engineering Services for Fischer Avenue Watermain Replacement Project

Dear Mr. Beno:

The Osborn Engineering team is pleased to respond to the City's request for professional engineering services for the above referenced project. The project is a small watermain replacement along Fischer Avenue between Northland and Woodward. Fischer Avenue is along the Corporation Line between Lakewood and the City of Cleveland. Attached herewith is our project approach and cost proposal for this project.

We appreciate the opportunity to offer our services to the City of Lakewood, and we would be happy to speak to you further about this project.

Respectfully Submitted,  
**OSBORN ENGINEERING**

Scott A. Vura, P.E., LEED AP  
Vice President  
Principal, Infrastructure Group

cc: S. A. Vura  
J. Ferenczy  
C. Bednar

cc: J. Donovan  
J. Werner  
B. Harbert  
B. Vorachek  
L. Hemingway  
A. Johnson  
File



### PROJECT UNDERSTANDING

We understand that the primary goal of this project is to design and construct the replacement of approximately 250 feet of existing 8" water mains with new 8" water mains located on a residential street. The street and related project limits are further identified as follows:

Street	Project Limits	Project Length	Water Length	Full or Half Width Resurfacing	Manhole Sewer Separation	OPWC Funded
Fischer Avenue	Woodward to Northland	300	250	Half - Brick Repair	No	No

### TECHNICAL APPROACH

We recognize that this project is primarily located within residential areas within the City of Lakewood and all of the waterline improvements will be designed and phased with the intent of always keeping the needs and character of the surrounding neighborhoods in mind. Special attention will be given to the safety of the general public, whether it is establishing provisions for temporary water service or maintenance of traffic for the roadway rehabilitation. Osborn will give special attention to areas that will be affected by the construction work. Important items, such as maintaining driveway access and existing water service to residents and businesses, are carefully discussed with the project team and City to deliver the desired level of service.

At the outset of the project, Osborn will meet and review the entire project scope and construction budget with the City to determine the optimal project approach with the City. Water main replacement projects can be accomplished either by replacing the water main in the same trench as the existing or constructing it on a new alignment.

Based upon past watermain projects, Osborn will provide the design within the following tasks:

- Field Study
- Plans Specifications and Estimate (PS&E)
- Meetings

#### Field Study

The field study includes a limited site survey but no geotechnical investigation in support of the project. The site survey will utilize available mapping information, including aeriels and planometric drawings, which will be field verified with a supplemental topographic survey to provide the final background. The profile of the road will be based on the City's planometric contour drawings. Utilities (contacted through OUPS & OGPUPS) and other features will also be included for an overall basemap developed in CAD, and connections will be plotted based on record information obtained from the City. We will also inspect the conditions of the existing curb inlets, valves, curbs and curb ramps and report their conditions. Benchmarks for stationing will be set for horizontal control.



#### Plans, Specifications and Estimate (PS&E)

As previously indicated, Osborn will replace the water main within the same alignment as the existing water main. Osborn will prepare plans, specifications and cost estimates which are to be submitted at the 95% and PS&E stage for review and comment. The plans will be prepared in accordance with the City of Lakewood standards but generally will include a title sheet, general notes, typical sections plan and profile sheets, details, and maintenance of traffic plans. In addition to the plans, Osborn will prepare bidding documents including detailed specifications and construction cost estimates.

#### Meetings

Osborn will attend three (3) official meetings, including the kickoff meeting, 95% PS&E submittal review, and a pre-bid meeting.

#### Project Design Phase Schedule:

1. Notice to Proceed / Kickoff Meeting	May 1, 2018
2. Field Study	May 2, 2018 to May 23, 2018
3. City Review (2 Weeks)	May 24, 2018 to June 7, 2018
4. 95% Submittal	June 8, 2018 to June 22, 2018
5. City Review (2 Weeks)	June 25, 2018 to July 6, 2018
6. PS&E (100% Submittal)	July 9, 2018 to July 16, 2018
7. Bidding and Awarding	TBD
8. Construction Kick-Off	TBD

#### Proposal Fee:

The fees are based on a Time and Material (T&M) labor basis not to exceed \$12,250.00. Expenses are additional and are reimbursable in which they are estimated to be \$350.00.

Osborn Engineering will invoice monthly based on the percent of work completed to date. Osborn Engineering shall provide additional services for the project only when payment is authorized in writing. Such services shall consist of providing any services not otherwise included in this proposal or not customarily furnished in accordance with generally accepted engineering practice.



# OSBORN ENGINEERING

## OSBORN BILLING RATE SCHEDULE

January 1, 2018 through December 31, 2018

<u>Classification</u>	<u>Rate</u>
Principal	\$204.00 per hour
Senior Project Manager	\$184.00 per hour
Project Manager	\$167.00 per hour
Architect 1, Engineer 1	\$146.00 per hour
Architect 2, Engineer 2	\$138.00 per hour
Architect 3, Engineer 3, Technician 1	\$118.00 per hour
Architect 4, Engineer 4, Technician 2	\$102.00 per hour
Technician 3	\$97.00 per hour
Architect 5, Engineer 5	\$92.00 per hour
Architect 6, Engineer 6	\$87.00 per hour
Technician 4, Intern	\$76.00 per hour

Overtime authorized by the Client will be billed at 1.5 times the above rates for Non-Exempt Personnel and at 1.0 times for Exempt Personnel.

### Reimbursable Expenses

<u>Item</u>	<u>Rate</u>
Automobile Mileage at IRS Standard Mileage Rate (Current Rate Shown)	54.5 cents per mile
All Other Out-of-Town Travel Expenses	1.1 Times Actual Cost
Consultants and Testing Companies	1.1 Times Actual Cost
Outside Reproduction	1.1 Times Actual Cost
In-house Reproduction	
8 1/2 x 11 Black line Photo copies	\$ .10 per page
8 1/2 x 11 Color Photo copies	\$ .40 per page
11 x 17 Color Photo copies	\$ .80 per page
Drawing Prints on Bond	\$ .25 per S.F.
Drawing Prints on Translucent Bond	\$ .30 per S.F.
Drawing Prints on Mylar	\$ .70 per S.F.
Large Format Color Drawings on Bond	\$4.00 per S.F.
Shipping Charges and Photographs	1.1 Times Actual Cost
Postal Charges	At cost

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1/1/2018

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