

Work Order No. 01- Change Order 02
Applicable to Agreement Dated June 1, 2018
between

Barr Engineering Co. (Barr)
4300 MarketPointe Dr.
Bloomington, MN 55435

City of Blaine (City)
10801 Town Square Drive NE
Blaine, MN 55449

Designated Representative:

Designated Representative:

Contract representative: Brian LeMon
Day-to-day contact: Michelle Stockness

Jon Haukaas

I. Scope of Work:

This document consists of an amendment to Work Order No. 01, with Change Order 02, that Barr and our subconsultants (Bolton & Menk Inc., LSEngineers Inc., Karges-Faulconbridge Inc., and Wilkus Architects) are performing as follows.

A. Phase 1-3: Preliminary Design, Design, Bidding and Award- No additional scope

B. Phase 4: Construction Administration

After written authorization to proceed, Barr or one of our subconsultants shall perform the following tasks for Phase 4:

1. Added scope: additional months of construction observation and administration per the revised completion dates below.
 - a. Extension of construction contract substantial completion from March 30, 2021 to June 30, 2021
 - b. Extension of construction contract final completion from September 31, 2021 to December 31, 2021
 - c. Additional onsite construction observation through August 2021
2. Added scope for construction tasks, authorized May 20, 2019
 - a. Preparation of material testing RFP: \$3,000
 - b. Preparation of easement descriptions: \$5,000
3. Total additional fees: \$200,200

Phase 4 meetings- Added scope:

1. Added scope: monthly construction meetings

Phase 4 deliverables-Additional scope:

1. Contractor coordination
2. Monthly meetings minutes

C. Phase 5: Start-Up and Commissioning- No additional scope

II. Service Assumptions Upon Which Maximum Compensation is Based

Phase	Duration	Fee	Change Order 1	Change Order 2	Revised Fee
Phase 1: Preliminary Design	6 weeks	\$134,400	\$3,479	\$0	\$137,879
Phase 2: Design	6 months	\$803,700	\$197,895	\$0	\$1,001,595
Phase 3: Bidding and Award	2 months	\$33,000	\$0	\$0	\$33,000
Total Preliminary/Design/Bidding (lump sum fee)		\$971,100	\$201,374	\$0	\$1,172,474
Phase 4: Construction Administration	28 months	\$924,000	\$231,000	\$200,200	\$1,355,200
Phase 5: Start-up and Commissioning	6 months	\$75,000	\$0	\$0	\$75,000
Total Construction/Start-Up & Commissioning (est. time & materials fee)		\$999,000	\$231,000	\$200,200	\$1,430,200
Project total		\$1,970,100	\$432,374	\$200,200	\$2,602,674

The total for Change Order No. 2 for existing Work Order No. 1 amounts to \$200,200.00.

Construction phase services were estimated based on similar projects and are proposed to be provided on a time-and-materials basis. Because this is proposed on a time and materials basis, we will only bill up to the amount actually needed to complete the work. The engineer has no direct control over the scheduling or operations of the project contractor, weather or equipment delivery which can impact construction timing.

III. Assumptions Upon Which Schedule is Based

phase/task	duration	start date	completion date
Award	1 day	May 18, 2018	May 18, 2018
Phase 1: Preliminary Design	6 weeks	June 20, 2018	July 27, 2018
Phase 2: Design	6 months	July 30, 2018	January 25, 2019
Phase 3: Bidding and Award	3 months	January 28, 2019	March 29, 2019
Phase 4: Construction Administration	28 months*	April 1, 2019	June 30, 2021*
Phase 5: Start-up and Commissioning	4 weeks	July 2021*	August 2021*
Operations Assistance	6 months	July 1, 2021	December 31, 2021

*These final dates are to be determined. A certification of substantial completion has not been requested by the contractor or issued by the City to date.

ACCEPTED AND AGREED TO:
BARR ENGINEERING CO.

CITY OF BLAINE, MINNESOTA

By: _____

Title: Vice President

Date: 10/8/2021

By: _____

Title: _____

Date: _____

By: _____

Title: _____

Date: _____