

AMENDMENT NO. 1 TO L30183

Contract Start Date:	4/13/2019	Original Total Amount:	\$84,344.00
Original Completion Date:	10/31/2019	As Previously Amended:	0
Amendment Completion Date:	6/30/2020	Current Amendment:	\$27,827.00
Resolution:	20-0129R	New Total Contract Amount:	\$112,171.00

This amendment, effective as of the date of attestation by the City Clerk (the “Effective Date”), by and between the City of Duluth, hereinafter referred to as “City”, and Alliant Engineering Inc. located at 733 Marquette Ave, Suite 700, Minneapolis, MN 55402, hereinafter referred to as “Engineer”, for the purpose of rendering services to the City.

WHEREAS, on DATE, City and Engineer entered into an agreement bearing City of Duluth Contract No. L30183 for a 1st Street Two-Way Conversion Traffic Study, which Contract has not been previously amended, hereinafter referred to as the “Contract”; and

WHEREAS, both parties desire to amend the Contract.

NOW THEREFORE, in consideration of the mutual covenants and conditions hereinafter set forth, the parties hereto hereby agree as follows:

In this Amendment changes in the language of the Contract which delete language will be shown as stricken and language added to the contract language will be underlined.

Revision 1. Phase B - Preliminary Survey, Phase C – Preliminary Design, and Phase D – Final Design are hereby included in the agreement.

Revision 2. The Payments described on page 1 and in Section V.A., V. C. and V.E. of the Contract are hereby amended as follows:

Payments hereunder, in the estimated amount of ~~Eighty Four Thousand, Three Hundred Forty Four and 00/100ths Dollars (\$84,344.00)~~ One Hundred Twelve Thousand One Hundred Seventy-One and no/100ths Dollars (\$112,171.00) shall be made from Funding 550-500-5319-1819, 411-035-5530-PI2019-1819, and 860-860-8640-5434; Project #1819, and Resolution 19-0213R, passed on April 8, 2019.

V.A. BASIS OF BILLING. City shall pay the Engineer an amount based on hourly rates not to exceed ~~\$ 84,344~~ \$112,171 for all services rendered under Section II Phases A through H, including any and all Project-related expenses such as travel, reproduction of reports and drawings, tolls, mileage, etc. For the purposes of this agreement, the principals and employees of the Engineer and their hourly rates are set forth in Exhibit A.

V.C. STANDARD PAYMENT. The Engineer shall complete all services described in Section II.A through G including all attachments to Section II for an amount including all Project-related expenses for the estimated amounts shown hereunder:

<u>Section II</u>	<u>Description</u>		<u>Estimated Compensation</u>
A.	Study and Report Phase	\$	84,344.00

B.	Preliminary Survey Phase	\$	<u>8,997.00</u>
C.	Preliminary Design Phase	\$	<u>17,360.00</u>
D.	Final Design Phase	\$	<u>1,470.00</u>
E.	Bidding Phase	\$	0
F.	Construction Survey and Layout Phase	\$	0
	Construction Administration and	\$	0
G.	Inspection Phase		
		\$	<u>84,344.00</u>
	TOTAL		<u>\$112,171.00</u>

The maximum compensation for all phases A through G shall not exceed ~~Eighty Four Thousand, Three Hundred Forty Four and 00/100 Dollars~~ One Hundred Twelve Thousand One Hundred Seventy-One and no/100ths Dollars.

V.E.TOTAL NOT TO EXCEED. All payments under this Contract are not to exceed ~~\$ 84,344.00~~ \$112,171.00, payable from funding 550-500-5319, 411-035-5530-PI2019-1819, and 860-860-8640-5434.

In all other respects the contract, together with all of its terms, covenants and conditions, is hereby confirmed in its entirety.

[Remainder of page intentionally left blank. Signature page to follow.]

IN WITNESS WHEREOF, the parties have hereunto set their hands as of the date of attestation shown below:

CITY OF DULUTH

ALLIANT ENGINEERING INC.

By:

By:

Mayor

Company Representative

Attest:

Its:

City Clerk

Title of Representative

Date Attested: _____

Date: _____

Countersigned:

City Auditor

Approved as to form:

City Attorney



ALLIANT
ENGINEERING

January 30, 2020

Ms. Taryn J. Erickson, PE
City of Duluth - Engineering Division
211 City Hall, 411 W 1st Street
Duluth, MN 55802-1191

RE: Proposal - 1st Street Conversion Design

Dear Ms. Erickson,

Alliant Engineering, Inc. is pleased to present you with this proposal to provide professional engineering services for final design services for a one-way to two-way conversion of 1st Street between Mesaba Avenue and 24th Avenue E. The proposal is organized as follows:

Attachment A – Scope of Work / Project Schedule
Attachment B – Staff Hour and Cost Estimate

Please review our proposal and call me if you need further clarification or discussion. We are excited to assist the City with this project.

Sincerely,

Michael R. Anderson, PE, PTOE
Principal – Traffic Engineering
Alliant Engineering, Inc.

Scott Poska, PE, PTOE
Project Manager
Alliant Engineering, Inc.

The following documents the scope of work the 1st Street Two Way Conversion Final Design.

Task 1.0 Field Survey

Alliant will complete an abbreviated field survey.

- 1.1 “Spot” survey face of curb 2-dimension coordinates along 1st Street between Mesaba Avenue and 24th Ave E. Coordinates will be obtained at approximately 6 locations per block; at end of curb radius (4) and at midblock (2). Additional coordinates will be obtained on blocks with curb bump outs. As needed to support plan development, select sign posts or surface features may be surveyed.
- 1.2 Review City provided information (e.g., sign inventory). Validate, survey and inventory existing signs. Survey will include obtaining photos of all sign legends.

Task 2.0 Design Plan Development

Alliant will develop and finalize design plans for a two-way conversion.

- 2.1 Draft design plans. Use survey from Task 1 and aerial imagery to prepare draft design plans for a 2-way traffic conversion. Plans to include cover sheet, statement of estimated quantities (SEQ), applicable standard details, signing and pavement marking removal plan sheets (split window sheets), signal removal layout plan sheets (4), signal revision layout plan sheets (3), and signing and pavement marking plan sheets (split window sheets). Submit draft design plan for City review and comment.
- 2.2 Final design plans. Incorporate City review comments into draft design plans. Submit final signed design plans to City.

Task 3.0 Supplemental Traffic Analysis

Alliant will provide supplemental traffic analysis for the two-way conversion.

- 3.1 (i.e. on the parking ramp awning and/or structure itself)

Assumptions:

1. Plan will be developed to sufficient detail for city forces to construct conversion and will not require traffic control and/or detour plan sheets. Alliant can perform these design services, but may require a budget amendment.
2. Scope/plan detail does not include State Aid review.
3. Scope does not include project specifications.
4. Two-way conversion will be based off December 2019 1st Street Two Way Conversion Study and will take place within existing ROW and within existing curb to curb roadway footprint.
5. No in person coordination meetings assumed. Project coordination meetings to be brief teleconferences/Microsoft Teams.
6. Signal removal and signal revision design will be shown on intersection signal layout sheet only. Does not include other signal plan sheets (i.e. wiring diagram sheet, etc.).
7. Signal revisions will utilize inplace signal infrastructure. Does not include new foundations for signal pole and mast arms.
8. Existing signal timing and turning movement counts will be provided by others for the intersections of Lake Avenue/1st Street, Lake Avenue/Superior Street, and Lake Avenue/I-35 ramps.

Schedule:

The following schedule is proposed:

Tasks 1	Field Survey	March 2020
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Attachment A
Scope of Work
1st Street Two Way Conversion Design
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Proposal
January 30, 2020

Task 2.1	Draft Design Plan Development	March-April 2020
Task 2.2	Final Design Plan Development	Late April 2020
Task 3.1	Private Driveway Analysis	April 2020
Task 3.2	Lake Avenue Analysis	April 2020

**Staff Hour and Cost Estimate –
 1st Street Two Way Conversion Design**

Work Tasks	Principal	Project Manager/ QAQC	Project Engineer	Survey Crew Chief	Survey Tech	Total Hours	Labor Cost by Task
	Mike Anderson	Poska/McCurdy	Olson/Stewart				
	\$ 180.00	\$ 130.00	\$ 90.00	\$ 95.00	\$ 60.00		
1.0 Field Survey	0	0	12	50	20	82	\$ 7,030
1.1 Streetwidth/sign post field spot Survey	0	0	0	38	20	58	\$ 4,810
1.2 Sign Inventory	0	0	12	12	0	24	\$ 2,220
						0	\$ -
2.0 Design Plans	2	38	134	0	0	174	\$ 17,360
2.1 Draft Design Plans	1	34	118	0	0	153	\$ 15,220
2.2 Final Design Plans	1	4	16	0	0	21	\$ 2,140
						0	\$ -
3.0 Supplemental Traffic Analysis	1	3	10	0	0	3	\$ 1,470
3.1 Private Driveway Analysis	0	1	2	0	0	3	\$ 310
3.2 Lake Ave Analysis	1	2	8	0	0	11	\$ 1,160
HOURS	3	41	156	50	20	259	
LABOR	\$ 540	\$ 5,330	\$ 14,040	\$ 4,750	\$ 1,200		\$ 25,860
DIRECT EXPENSES							
Mileage (Assume 1,200 miles)							\$ 515
Meals (Assume 12 meals on travel status)							\$ 132
Lodging (Assume 4 nights for survey)							\$ 520
Total Station rental							\$ 800
SUBTOTAL EXPENSES							\$ 1,967
PROJECT TOTAL COST NOT TO EXCEED							\$ 27,827