




**PUBLIC WORKS MEMORANDUM**  
**#28-2021**

**DATE:** Aug. 9, 2021

**TO:** Honorable Mayor Meredith Leighty and City Council Members

**THROUGH:** Heather Geyer, City Manager 

**FROM:** Kent Kisselman, PE – Director of Public Works   
Brook Svoboda – Director of Planning & Development   
Nathan Haasis, PE – Senior Engineer

**SUBJECT:** CR-82 –120<sup>th</sup> Avenue Improvements Project Addendum #1

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**PURPOSE**

To consider CR-82, a resolution approving Addendum #1 to the contract with Felsburg Holt & Ullevig (FHU) for the 120<sup>th</sup> Avenue Improvements Project.

**BACKGROUND**

In 2019, the Denver Regional Council of Governments awarded the City a Transportation Improvement Program (TIP) grant in the amount of \$8,746,250. The TIP grant includes \$6,997,000 in Federal funds with a \$1,749,250 local match (80/20) split. Additionally, \$2.45 million has been committed from the Karl's Farm Development Project for its pro-rata share of the improvements to 120<sup>th</sup> Avenue.

The project design team consists of the following:

- Stanley Consultants – project administration
- FHU – engineering services
- City of Northglenn – owner
- Colorado Department of Transportation

On March 9, 2020, the City awarded a Professional Services Agreement to FHU for the 120<sup>th</sup> Avenue Improvements Project engineering design services in the amount of \$1,036,774.

As the design progressed, two items were realized as additional scope of services required for a complete design:

- Water quality additional scope
  - Regulatory requirement
- Race Street drainage
  - Outfall preliminary and final design
  - Additional Karl's Farm design
  - Additional project management and administrative services
  - Additional test holes

**BUDGET/TIME IMPLICATIONS**

Staff is requesting an addendum in the amount of \$321,117 to cover the additional scope of services to complete the design for the 120<sup>th</sup> Avenue Improvements Project.

	<b>Amount</b>
120 <sup>th</sup> Avenue widening – City 20%	\$1,749,250
120 <sup>th</sup> Avenue widening – Grant funding 80%	\$6,997,000
FHU Contract 2020-022	(\$1,036,774)
Addendum #1	(\$321,117)
<b>Budget Remaining</b>	<b>\$7,388,359</b>

**STAFF RECOMMENDATION**

Attached is CR-82, a resolution that, if approved, would authorize the Mayor to execute Addendum #1 to the contract between the City and Felsburg Holt & Ullevig for the 120<sup>th</sup> Avenue Improvements Project in an amount not to exceed \$321,117. Staff recommends approval of CR-82.

**STAFF REFERENCE**

If Council members have any questions, please contact Kent Kisselman, Director of Public Works, at [kkisselman@northglenn.org](mailto:kkisselman@northglenn.org) or 303.450.4005.

CR-82 – 120<sup>th</sup> Avenue Improvements Project Addendum #1

120<sup>th</sup> Avenue Improvements Project Addendum #1

SPONSORED BY: MAYOR LEIGHTY

COUNCILMAN'S RESOLUTION

RESOLUTION NO.

No. CR-82  
Series of 2021

\_\_\_\_\_  
Series of 2021

A RESOLUTION APPROVING ADDENDUM NO. 1 TO THE PROFESSIONAL SERVICES AGREEMENT BETWEEN THE CITY OF NORTHGLENN AND FELSBURG HOLT & ULLEVIG FOR THE 120<sup>TH</sup> AVENUE IMPROVEMENTS PROJECT

WHEREAS, the City of Northglenn entered into a Professional Services Agreement with Felsburg Holt & Ullevig on March 9, 2020 for the 120<sup>th</sup> Avenue Improvements Project (the "Project"); and

WHEREAS, the City desires to supplement the Agreement with Addendum No. 1 to allow for additional scope of services and modifications to provide professional services as identified in Change Orders No. 1, 2, 3, 4, 5, and 6 for the 120<sup>th</sup> Avenue Improvements Project.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT:

Section 1. Addendum No. 1 to the Professional Services Agreement between the City of Northglenn and Felsburg Holt & Ullevig, attached hereto, in the amount of \$321,117.00 for additional professional services for the 120<sup>th</sup> Avenue Improvements Project is hereby approved and the Mayor is authorized to execute same on behalf of the City of Northglenn. The total Project amount shall not exceed \$1,357,891.00

DATED, at Northglenn, Colorado, this \_\_\_\_\_ day of \_\_\_\_\_, 2021.

\_\_\_\_\_  
MEREDITH LEIGHTY  
Mayor

ATTEST:

\_\_\_\_\_  
JOHANNA SMALL, CMC  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
COREY Y. HOFFMANN  
City Attorney

**ADDENDUM #1 TO AGREEMENT FOR PROFESSIONAL SERVICES**

THIS FIRST ADDENDUM TO AGREEMENT FOR PROFESSIONAL SERVICES is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2021, by and between the CITY OF NORTHGLENN, State of Colorado (hereinafter referred to as the "City") and Felsburg Holt & Ullevig (hereinafter referred to as "Consultant").

**RECITALS:**

A. On March 9th, 2020 the City and Consultant entered into an Agreement for Professional Services for 120<sup>th</sup> Avenue Corridor Improvements services (the "Agreement") for a contract amount of \$1,036,774.

B. The parties desire to amend the contract to include an additional scope of work as outlined in Exhibit A for the line items listed, as modified, for Change Orders #1 through #6, for a total increase of \$321,117.

**Exhibit A**, 120<sup>th</sup> Avenue Corridor Improvements

**AGREEMENT**

NOW, THEREFORE, it is hereby agreed that for the consideration hereinafter set forth, that Consultant shall provide to the City, professional consulting services as needed in the manner provided in the Agreement.

1. The Scope of Services in the Agreement is hereby supplemented to include the scope of services for design fees attached hereto as **Exhibit A** and incorporated herein by this reference (the "Additional Scope of Services"). Consultant shall commence work on the Additional Scope of Services within ten (10) days of the issuance of a Notice to Proceed.

2. Subparagraph A. of Article IV entitled "Compensation" is hereby amended to provide as follows:

A. Compensation shall not exceed \$1,357,891 for the work performed under the original contract and work authorized by this Addendum #1.

3. The original Agreement is in full force and effect and is hereby ratified by the City and the Consultant. The original Agreement and this Addendum constitute all of the agreements between the City and the Consultant.

IN WITNESS WHEREOF, the parties hereto each herewith subscribe to the same in duplicate.

**CITY OF NORTHGLENN, COLORADO**

By: \_\_\_\_\_

Meredith Leighty

Print Name

Mayor

Title

Date

ATTEST:

\_\_\_\_\_  
Johanna Small, CMC, City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
Corey Y. Hoffmann, City Attorney

**CONSULTANT**

By: [Signature]

Principal

Title

7/20/21

Date

ATTEST:

Jeni Wells

Notary Public

Title

7/20/21

Date

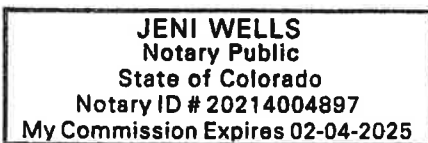


EXHIBIT A - ADDITIONAL SCOPE OF SERVICES

120th Ave. Corridor Improvements  
Workhour & Fee for IGA Option Letter

Date: 7-20-2021

	Principal II	Associate / GIS Manager	Engineer / Environmental Scientist- Planner / Transp. Planner / GIS	Engineer / Environmental Scientist- Planner / Transp. Planner / GIS	Engineer / Environmental Scientist- Planner / Transp. Planner / GIS	Engineer / Environmental Scientist- Planner / Transp. Planner / GIS	Engineer / Environmental Scientist- Planner / Transp. Planner / GIS	Engineer / Environmental Scientist- Planner / Transp. Planner / GIS	Engineer / Environmental Scientist- Planner / Transp. Planner / GIS	Engineer / Environmental Scientist- Planner / Transp. Planner / GIS	Engineer / Environmental Scientist- Planner / Transp. Planner / GIS	Engineer / Environmental Scientist- Planner / Transp. Planner / GIS	Designer / Project / Construction Technician	Graphic Design Specialist III	Senior Admin. Assistant	Professional Service Hour Estimate	Other Direct Costs	Additional Services As Directed (Task 12)	Labor Amount	Subconsultants						Total Design Fee Estimate	
																				Goodbee & Associates	Utility Mapping Services	PK Electrical	A2Tec Consultants	Martinez & Associates	Universal Field Services		
Original Contract	\$240	\$210	\$195	\$175	\$155	\$135	\$130	\$115	\$105	\$115	\$120	\$115				4752	\$7,130.00	\$50,000.00	\$713,220.00	\$93,940	\$125,710	\$33,864	\$47,940	\$16,000	\$6,100	\$1,036,774.00	
Change Order #1 - Water Quality Additional Scope	64	186	860	232	24	48										58	\$499.00		\$10,039.00								\$10,039.00
Change Order #2 - Race Street Drainage Outfall Alts. Analysis (Pending)			22	82	36											148			\$21,860.00								\$21,860.00
Change Order #3 - Race Street Drainage Outfall Design			80	278	304							10				682	\$20,000.00		\$122,830.00	\$16,000	\$40,000		\$10,000				\$188,830.00
Change Order #4 - Additional Kart's Farm Design			24	60	50											134			\$20,730.00								\$20,730.00
Change Order #5 - Additional PM and Admin. Due to Delays			60	100	20	18	20							20	8	248			\$40,200.00								\$40,200.00
Change Order #6 - Additional Test Holes																0			\$0.00		\$39,458						\$39,458.00
<b>NEW CONTRACT TOTAL</b>																			<b>\$928,079.00</b>	<b>\$109,940</b>	<b>\$205,168</b>	<b>\$33,864</b>	<b>\$57,940</b>	<b>\$16,000</b>	<b>\$6,100</b>		<b>\$1,357,091</b>



## CHANGE ORDER #01 - WATER QUALITY ADDITIONAL SCOPE

February 24, 2021

Nathan Haasis, PE  
City of Northglenn  
12301 Claude Court  
Northglenn, CO 80241

Re: 120<sup>th</sup> Avenue Corridor Improvements  
City of Northglenn Contract # 2020-022  
Additional Services Request for Water Quality  
FHU Project No. **119600-01**

Dear Mr. Haasis:

Included in this memo is a scope of services and fee estimate for additional requested services on 120<sup>th</sup> Avenue related to Water Quality. FHU provided a summary of requested items and hours associated with additional water quality work to Northglenn on February 1, 2021. A meeting was held on February 9, 2021 to further discuss. After review and discussion, Northglenn approved some requested items and all or a portion of the requested fees (see attached). Below is a summary of the approved additional water quality services and associated fees:

### Water Quality Additional Scope Items:

- 2.2 Detail Calculations - \$1,700
- 2.3 Completion of Northglenn Forms - \$2,480
- 2.4 Completion of Bio Retention Detail Plans - \$5,230
- 2.5 Completion of Costs for Bio Retention Facilities - \$1,465
- 2.8 Landscape Design – \$8,388 (\$620 FHU, \$7,768 Goodbee)
- 2.9 O& M Instructions Book - \$6,505
- 6.1 Review As-Built - \$1,540
- 6.2 Comparison of Data with Design Intent - \$1,700
- 6.4 Final Certification - \$3,400
- 6.6 Addressing Review Comments/Final Acceptance - \$2,160

Total- \$34,568

Per direction by email on February 18, 2021, the remaining budget of the additional services task in the original contract will be applied to this total amount.

Remaining Additional Services (Task 12) - \$24,529  
Total Change Order Amount - \$10,039

Based on the above, FHU requests a change order to the contract for **\$10,039**. Please let me know if you have any questions.



**CHANGE ORDERS: #02 - #05**

May 26, 2021

Nathan Haasis, PE  
City of Northglenn  
12301 Claude Court  
Northglenn, CO 80241

Re: 120<sup>th</sup> Avenue Corridor Improvements  
City of Northglenn Contract # 2020-022  
Additional Services Request for Race Street Drainage Outfall, Karl's Farm, Utility Investigation and Project Management and Administration  
FHU Project No. **119600-01**

Dear Mr. Haasis:

Included in this memo is a scope of services and fee estimate for additional requested services related to Race Street Drainage Outfall, Karl's Farm and Additional Project Management and Administration:  
**CHANGE ORDER #2: Race Street Drainage Outfall Alternatives Analysis Additional Scope Items:**

- Task 1 Project Management- \$8,570
- Task 2 Alternatives Analysis - \$9,330
- Task 3 Engineer's Opinion on Probable Construction Cost- \$3,960

Total- \$21,860

**CHANGE ORDER #3: Race Street Drainage Outfall Preliminary and Final Design:**

It is anticipated that an alternative from the Race Street Drainage Alternatives Analysis will be advanced into preliminary and final design and constructed in conjunction with the 120<sup>th</sup> Avenue Corridor Improvement project. A full scope and fee is not included at this time; general assumptions and fee are included below:

- Task 1 Project Management
  - Additional meetings and coordination with reviewing agencies and Karl's Farm
    - It is assumed the Mile High Flood District (MHFD) will review the outfall from Race Street into Brantner Gulch for maintenance eligibility
- Task 2 Data Collection, Environmental Services and Utility Coordination
  - Survey and ROW Mapping at outfall
  - Environmental Services to clear outfall
  - SUE-Quality Level D-A
  - Utility Coordination
- Task 3 Preliminary Design
  - Preliminary Drainage Design
    - Hydrologic Analysis for Race Street and tributary offsite basins



- Approximately 2000 feet of pipe improvements
- Preliminary Plan Sheets
  - 40 scale, approximately 5 sheets for drainage
  - 40 scale, approximately 5 sheets for SWMP
  - Will be bid and constructed in conjunction with 120<sup>th</sup> Avenue Improvements
- Preliminary Drainage Report
- Opinion of Cost
- Submittal to City, CDOT and MHFD
  - 1 set of comments
- Task 4 Final Design
  - Final Drainage Design
  - Final Plan, Profile and Detail Sheets
    - Approximately 15 sheets total for drainage
    - Approximately 20 sheets total for SWMP
  - Final Drainage Report
  - Opinion of Cost and Specs
  - Submittal to City and CDOT
    - 1 set of comments
- Task 5 Bid Set, Advertisement and Construction
  - Additional time for incorporating this set into bid package and assistance during advertisement

Total- \$188,830

#### CHANGE ORDER #4: Additional Karl's Farm Design

In March 2021 it was decided to include a continuous right turn lane on 120<sup>th</sup> Avenue adjacent to the Karl's Farm property as part of the 120<sup>th</sup> Avenue Corridor Improvement Project. This decision modified the roadway design, signal design, drainage and utility impacts previously developed as part of the project. A full scope and fee is not included at this time; general assumptions and fee are included below:

- Design Changes-Additional estimated \$200,000 in construction costs
  - Roadway
  - Drainage
  - Signals
  - Utility Impacts and Landscaping
  - Lighting

Total- \$20,730

**CHANGE ORDER #5: Additional Project Management and Administration related to delayed FOR submittal**

The project has been delayed by a variety of factors, including the noise wall analysis, Race Street Outfall drainage and changes related to Karl's Farm Development. This has shifted the FOR submittal from March 2021 to late summer 2021. The original scope and fee for the project assumed 17 coordination meetings. To date, nearly 30 meeting in 15 months have been held between FHU, Thornton, Northglenn, CDOT and other stakeholders. FHU is requesting additional budget to account for future expected meetings, invoicing, project management and other administrative project management tasks. A full scope and fee is not included at this time; general assumptions and fee are included below:

- Additional Meetings
  - 15 meetings
- Project Administration (6 months additional)

Total - \$40,200

Please let me know if you have any questions.

Sincerely,

**FELSBURG HOLT & ULLEVIG**



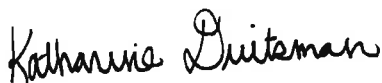
Jenny Young, PE, AICP  
Principal-in-Charge

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Accepted By

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Title



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Katharine Duitsman, PE  
Project Manager

Date



**CHANGE ORDER #06 - ADDITIONAL TEST HOLES**

June 29, 2021

Nathan Haasis, PE  
City of Northglenn  
12301 Claude Court  
Northglenn, CO 80241

Re: 120<sup>th</sup> Avenue Corridor Improvements  
City of Northglenn Contract # 2020-022  
Additional Services Request for Additional Test holes  
FHU Project No. 119600-01

Dear Mr. Haasis:

Included in this memo is a scope of services and fee estimate for additional requested services on 120<sup>th</sup> Avenue related to additional test holes.

- 22 vacuum excavation test holes, less than 7 feet deep, in pavement

Total- \$39,457.44

Please let me know if you have any questions.

Sincerely,

**FELSBURG HOLT & ULLEVIG**

Jenny Young, PE, AICP  
Principal-in-Charge

\_\_\_\_\_

Accepted By

\_\_\_\_\_

Title

Katharine Duitsman, PE  
Project Manager

\_\_\_\_\_

Date

Attachment