


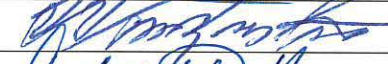


Action: Approved | Denied | Other
 Date Action Taken: November 22, 2021
 Verified By: South Stambaugh
 Clerk's Note: N/A

**City of Wasilla
 Action Memorandum No. 21-48**

Contract Award To HDL Engineering Consultants In The Amount Of \$54,000 For The Hurley Circle Utility Extension Project Engineering Services.

Originator: Public Works Director
 Date: 11/10/2021

Agenda of: 11/22/2021

Route to:	Department Head	Signature	Date
X	Public Works Director		11/12/21
X	Finance Director		11-15-21
X	Deputy Administrator		11/12/21
X	City Clerk		11/12/2021
X	Mayor		11/12/21

Fiscal Impact: yes or no

Funds Available: yes

Account name/number: Hurley Circle Sewer Extension 310-4359-435.45-37 \$27,000
 Hurley Circle Water Extension 320-4369-436.45-73 \$27,000

Attachments: HDL Proposal (6 pages)

Summary Statement: This Action Memorandum authorizes a contract award to HDL Engineering Consultants for the Hurley Circle utility extension project engineering services. The City committed to Katie Hurley in 1999 that these utilities would be installed in conjunction with the Fred Meyer development. This project was never initiated by the City and the heirs to the property are seeking to have this work completed in 2022. This Action Memorandum authorizes the engineering contract to proceed with the Hurley Circle utility extension project.

Funding for the project was not budgeted in the current fiscal year but will be allocated through the adoption of Ordinance Serial No. 21-22, which is scheduled for public hearing and action at the November 22, City Council meeting.

Staff Recommendation: Approve the Action Memorandum.

October 22, 2021

Archie Giddings
Public Works Director
City of Wasilla
290 E. Herning Ave
Wasilla, AK 99654

Civil
Engineering

Geotechnical
Engineering

Transportation
Engineering

Aviation
Engineering

W/WW
Engineering

Environmental
Services

Surveying &
Mapping

Construction
Administration

Material
Testing

Subject: Revised Scope and Cost Proposal
Hurley Circle Water/Sewer Extension

HDL Engineering Consultants, LLC (HDL) is pleased to present this proposal for professional services to extend water and sewer service to three properties located on Hurley Circle in Wasilla. This project includes professional services for topographic survey, easement document preparation, water/sewer pipeline design, and Alaska Department of Environmental Conservation (ADEC) permitting.

Scope of Services

We propose to provide professional the following services in support of the project:

Task 1 – Design Phase Services

HDL will provide design services required to prepare a package of plans and special provisions to the Municipality of Anchorage Standard Specifications (MASS) to extend water and sewer service from near the eastern corner of the Fred Meyer Building to the end of Hurley Circle to provide service to Lots 6A, 7A, and 7B. We anticipate the following major work items under this task:

Surveying/Mapping

HDL will perform a topographic survey of the proposed water and sewer utility routes roughly shown on the attached survey limits sketch. Within the survey limits, we will locate above ground improvements, buildings, structures and pavement. We will survey above ground evidence of utilities within the topo limits, and as-built water and sewer structures as available. We will file a utility locate request and survey underground utility locate marks as provided by the responding utilities.

We will set two horizontal survey control points and two Temporary Bench Marks (TBMs) within the project area to facilitate construction. Horizontal and vertical control datums will be based on an NGS OPUS solution of one of the control points, and checked with an OPUS solution on the other. The horizontal datum will be Alaska State Plane, Zone 4 and NAVD88(Geoid12B) as determined by the OPUS Solutions. This will correspond to the datum of the FEMA flood panel

0200218085F that applies to properties along Wasilla Lake. We will search for and recover existing property corner monuments within the topo limits as applicable to Lots 6A and 7A, and sufficient to locate existing easements as well as provide the basis for a new utility easement across Lot 7A.

We will reduce the data into a topographic design base map having a Triangular Irregular Network (TIN) Surface capable of generating 1-foot contours in Civil 3D 2019. We will prepare a Survey Control drawing having the basis of control and show the horizontal and vertical control points to guide construction. The property corner monuments will also be shown, along with a best-fit location of the property lines and road Right-of-Way (ROW) lines.

Easement Exhibit

Once the utility easement needs are identified across Lot 7A, we will prepare an easement exhibit having a legal description and parcel plat depicting the easement to be acquired, with signature blocks for the affected owner's signature. We will request a title report for Lot 7A to identify land ownership status to assist with development of the easement documents. Existing easements disclosed by the title report will be shown on the easement parcel plat exhibit.

95% Plans, Specifications, and Estimate

After completion of topographic survey, HDL will prepare an assembly of engineered drawings and specifications to the 95% completion level. Design will include water and sewer main extensions along with Wasilla's standard septic tank effluent pump (STEP) system and water service connection to Lot 6A, as well as service stub-outs to Lots 7A and 7B. Specifications and contract documents will be based on the City of Wasilla's standard modifications to MASS. Construction plans and specifications will be delivered in PDF format for review by Wasilla's staff.

Final Plans, Specifications, and Estimate

We will address comments received from Wasilla on the 95% design package and finalize the documents. The completed plans and specifications will then be submitted to ADEC for review and Approval to Construct (see task description below). Any comments from ADEC will be incorporated into the construction documents.

We will also update the construction cost estimate to reflect any changes identified during final detailing of the work.

The final deliverables for this task will be final 11"x17" plans, stamped and signed by a professional engineer registered in the State of Alaska, a completed Project Manual including general contract requirements and special provisions to MASS, and an engineer's construction cost estimate. We will provide deliverables electronically in PDF format for Wasilla's use.

ADEC Approval to Construct

We will submit applications, stamped design drawings, specifications, and design calculations to ADEC for Approval to Construct the proposed project. HDL will pay permitting fees directly to ADEC and deliver a hard-copy submittal to the ADEC office in Wasilla.

Assumptions

The following basic assumptions were used to prepare this estimate:

1. No geotechnical investigation and permitting in accordance with the National Environmental Policy Act (NEPA) is included, nor is it required to complete the project.
2. Topographical Surveying will be performed during snow-on, winter conditions including up to 18" of snow cover in unplowed areas.
3. Utility relocations will not be required to complete the work.
4. Bid phase services are not included in our cost proposal. If the project is publically bid, HDL can provide these services for an additional cost under an amendment to our contract.

Schedule

We understand that Wasilla intends for this project to begin construction as soon as possible during the summer construction season. To meet that schedule, HDL will complete the design scope of work and submit our application for ADEC Approval to Construct by mid-March 2022. This will allow for a construction contract award and material deliveries in time for an anticipated June 1, 2022 construction start date.

Cost Proposal

We propose to provide the aforementioned services for on a time and expenses basis at our published hourly labor rates and standard 10% mark-up on subcontracts for a cost not to exceed **\$53,910** as detailed on the attached worksheet.

We look forward to working with you on this project. If you have any questions, you can contact me at (907) 746-5230.

Sincerely,

HDL Engineering Consultants, LLC



Chris Bowman, PE

Senior Civil Engineer

e: cbowman@hdlalaska.com | o: 907.746.5230

Attach: Survey Limits (1 Page)
HDL Cost Worksheet (1 page)

CC: David Lundin, PE (HDL)



Approx. Survey Limits

Utility easement for service to Lot 6A.

Approx. Water/Sewer Alignment

100 year Flood Zone

Tie in to Exis Water/Sewer

TR A-1B
1751

1741

1761

1801

10
1875

TRA8

TRA9

E-Palmer Wasilla Hwy

msb

FEE PROPOSAL WORKSHEET
Engineering Services for
Hurley Circle Water/Sewer Extension

TASK	ACTIVITY	QTY	RATE	HDL LABOR*	REIMBURSABLE EXPENSES	SUB-CONTRACTS	SUBTOTAL	TOTAL
1.0	<u>Design Phase Services</u>							\$53,790
1.1	<u>Project Management/Coordination</u>						\$1,530	
	Principal Civil Engineer	2 hrs	@ \$185	\$370				
	Senior Civil Engineer	8 hrs	@ \$100	\$800				
	Clerical	4 hrs	@ \$90	\$360				
1.2	<u>Surveying/Mapping</u>						\$23,860	
	Survey & Mapping Manager	4 hrs	@ \$185	\$740				
	Senior Land Surveyor	16 hrs	@ \$180	\$2,880				
	Land Surveyor	64 hrs	@ \$125	\$8,000				
	Survey Technician	16 hrs	@ \$105	\$1,680				
	2-Person Survey Crew	48 hrs	@ \$220	\$10,560				
1.3							\$3,440	
	Survey & Mapping Manager	2 hrs	@ \$185	\$370				
	Senior Land Surveyor	4 hrs	@ \$180	\$720				
	Land Surveyor	16 hrs	@ \$125	\$2,000				
	Title Report (1)	1 hrs	@ \$350		\$350			
1.4	<u>95% Plans, Specifications and Estimate</u>						\$16,100	
	Principal Civil Engineer	8 hrs	@ \$185	\$1,480				
	Senior Civil Engineer	24 hrs	@ \$155	\$3,720				
	Engineering Assistant	40 hrs	@ \$100	\$4,000				
	Drafter	60 hrs	@ \$115	\$6,900				
1.5	<u>Final Plans, Specifications, and Estimate</u>						\$5,420	
	Principal Civil Engineer	4 hrs	@ \$185	\$740				
	Senior Civil Engineer	8 hrs	@ \$155	\$1,240				
	Engineering Assistant	16 hrs	@ \$100	\$1,600				
	Drafter	16 hrs	@ \$115	\$1,840				
1.6	<u>ADEC Approval to Construct</u>						\$3,440	
	Principal Civil Engineer	2 hrs	@ \$185	\$370				
	Civil Engineer	4 hrs	@ \$155	\$620				
	Engineering Assistant	16 hrs	@ \$100	\$1,600				
	Permit Fees	1 allow	@ \$850		\$850			
Subtotal				\$52,590	\$1,200	\$0		\$53,790
Markup**					\$120	\$0		\$120
Total Fee				\$52,590	\$1,320	\$0		\$53,910
*also includes those expenses charged without a markup								
**10% for subcontracts, 10% for reimbursable expenses								