

**MIDVALE CITY, UTAH
RESOLUTION NO. 2018-R-16**

**A RESOLUTION AUTHORIZING THE MAYOR TO ENTER INTO AN AGREEMENT
WITH HANSEN, ALLEN, & LUCE FOR CONSTRUCTION ENGINEERING SERVICES
FOR THE 2018 PIPELINE REPLACEMENT PROJECT**

WHEREAS, Midvale City intends to secure funding through the bond market for funds to improve the City's water system; and

WHEREAS, the City has selected Hansen, Allen & Luce, Inc.(HAL) for its water consultant who have, with input from City staff, identified several waterline projects that need to be done; and

WHEREAS, plans have been developed and the project bid out and awarded to RDJ Construction; and

WHEREAS, in the past HAL has provided construction engineering services for the City on water line projects, which has proven to be a great benefit to the City; and

WHEREAS, the City has requested HAL prepare a task order for construction engineering services for the 2018 Pipeline Replacement Project; and

WHEREAS, the fee for these services will be covered by funds secured through bonding.


NOW THEREFORE BE IT RESOLVED, that based on the foregoing, the Midvale City Council adopts this resolution authorizing the Mayor to sign Task Order 141.39.110 with Hansen, Allen, & Luce, Inc. for construction engineering services for the 2018 Pipeline Replacement Project.

APPROVED AND ADOPTED this 17th day of April 2018.



Robert M. Hale, Mayor

ATTEST:



Rori L. Andreason, MMC
City Recorder

Voting by the City Council

Bryant Brown	<input checked="" type="checkbox"/>	
Paul Glover	<input checked="" type="checkbox"/>	
Quinn Sperry	<input checked="" type="checkbox"/>	
Paul Hunt	<input checked="" type="checkbox"/>	
Dustin Gettel	<input checked="" type="checkbox"/>	

"Aye"

"Nay"



TASK ORDER NO. 141.39.110
TO
ENGINEERING SERVICES AGREEMENT

CLIENT: MIDVALE CITY

Effective Date of Agreement: March 22, 2005

THIS TASK ORDER NO. 141.39.110 TO ENGINEERING SERVICES AGREEMENT (this "TASK ORDER") is made and entered into as of the 6th day of February, 2018, by and between CLIENT and HANSEN, ALLEN & LUCE, INC., ("HAL"), who agree as follows:

1. PROJECT. The PROJECT associated with this TASK ORDER is described as follows: 2018 Waterlines Project – Services During Construction
The PROJECT SITE is located as follows: 1. The loop of Rusty Drive, Marie Drive and 145 East, 2. The loop of Maria Way, 245 East, and Nicolleti Drive to 175 East, 3. Cottonwood Street from 7385 South to 7500 South, Arizona Drive, and 230 West from Arizona to end of Cul-de-sac, 4. 7200 South from State Street to 700 East, 5. Center Street from Oak Street to Trax Line, and 6. 700 West from just north of City Hall to the north Midvale City Boundary.
2. SCOPE OF SERVICES. The SCOPE OF SERVICES associated with this TASK ORDER is attached hereto as Exhibit T.O. 141.39.110-A.
3. FEES. CLIENT shall reimburse HAL for services provided under this AGREEMENT on an hourly billing rate plus reimbursable expenses basis, with an estimated not-to-exceed fee of \$165,886.00 in accordance with the HAL Standard Fee Schedule ("FEE SCHEDULE") attached hereto as Exhibit T.O. 141.39.110-B. CLIENT hereby agrees that all fees and charges set forth in the FEE SCHEDULE are acceptable to CLIENT, and CLIENT further agrees to pay all fees and charges to HAL in accordance with the ENGINEERING SERVICES AGREEMENT and FEE SCHEDULE.
4. SCHEDULE. SERVICES DURING CONSTRUCTION associated with this TASK ORDER are anticipated to be completed within 230 calendar days following written Notice to Proceed Start Date for the Contractor.
5. ATTACHMENTS AND EXHIBITS. All attachments and exhibits referenced in or attached to this TASK ORDER are incorporated herein and are made a part of the ENGINEERING SERVICES AGREEMENT.
6. CLIENT has read and understood all ATTACHMENTS and EXHIBITS and agrees that such items are hereby incorporated into and made a part of the ENGINEERING SERVICES AGREEMENT.

IN WITNESS WHEREOF, CLIENT and HAL have executed this TASK ORDER as of the date first above written.

CLIENT: MIDVALE CITY

By: 

Its: 

Attest: 

Its: 

HANSEN, ALLEN & LUCE, INC.

By: 

Its: 

Attest: 

Its: 



2018 WATERLINES PROJECT BACKGROUND AND SCOPE OF WORK

BACKGROUND

Midvale City has proposed improvements to its existing public drinking water system. This project includes replacement of smaller than 8-inch diameter water lines within the City with new 8-inch diameter pipelines, or replacement of older pipelines which have experienced significant repairs in the past. These projects are part of the overall operation and maintenance plan for the City to replace older and/or undersized pipelines. The proposed improvements include:

1. An 8-inch diameter pipeline in the loop of Rusty Drive, Marie Drive and 145 East,
2. An 8-inch diameter pipeline in the loop of Maria Way, 245 East, and Nicolletti Drive to 175 East,
3. An 8-inch diameter pipeline in Cottonwood Street from 7385 South to 7500 South, Arizona Drive, and 230 West from Arizona to end of Cul-de-sac,
4. An 8-inch diameter pipeline in 7200 South from State Street to 700 East,
5. An 8-inch diameter pipeline in Center Street from Roosevelt street to the east to the Trax line, and making service lateral connections to the existing 14-inch diameter pipeline from Roosevelt to Oak Street,
6. An 8-inch diameter pipeline in 700 West from 6960 South to the north City boundary, and making service lateral connections to the existing 12-inch diameter pipeline in 700 West from 6960 South to just north of City Hall.

The design has now been completed and the project is in the bidding phase. The City has requested that HA&L assist the City in providing services during construction for this project.

In addition, a geotechnical report was required for the boring under the Jordan and Salt Lake Canal. This work was not included in the original scope of services for design. Therefore, the cost for this work is included herein. The work was performed by Applied Geotechnical Engineering Consultants.

SCOPE OF WORK

The scope of work for assisting the City in accomplishing this project is outlined by Task and Subtask below.

Task 100 DESIGN OF PIPELINE

- 101 Perform geotechnical investigation and prepare report for boring under Jordan and Salt Lake Canal..

Task 200 CONSTRUCTION MANAGEMENT, SERVICES DURING CONSTRUCTION

- 200 Solicit bids from pre-qualified contractors.

- 201 Distribute bidding documents to potential bidders.
- 202 Receive and respond to RFI's during bidding.
- 203 Attend/assist with pre-bid meeting and walkthrough.
- 204 Attend bid opening.
- 205 Review bids & prepare recommendation for award.
- 206 Conduct pre-construction meeting and prepare contract documents.
- 207 Provide on-site construction observation (full time).
- 208 Review shop drawings/submittals.
- 209 Conduct weekly construction progress meetings.
- 210 Review/respond to contractor RFI's during construction.
- 211 Review/process contractor change orders.
- 212 Review/process contractor pay requests.
- 213 Conduct final walk-through and prepare punch list.
- 214 Prepare record drawings based on information provided by Contractor.
- 215 Submit documents to Division of Drinking Water and apply for an operating permit (since this project is a pipeline replacement project, documents are not required to be submitted to the Division of Drinking Water).
- 299 Perform Quality Control / Quality Assurance (QA/QC) on documents.

ESTIMATED FEE

We propose a professional "not to exceed" engineering budget of \$165,886 to perform the services as outlined in this proposal. The following table summarizes the estimated engineering fee required to accomplish each task.

TASK	TASK DESCRIPTION	ENGINEERING FEE ESTIMATE
100	Geotech for Boring Under Jordan and Salt Lake Canal	\$5,441.00
200	Services During Construction	\$160,445.00
	TOTAL ESTIMATED FEE	\$165,886.00

Attached is a detailed manpower and cost breakdown by task and subtask. Work will be billed in accordance with the attached fee schedule.

Assumptions included in our fee estimate are as follows:

1. Construction time for this project is assumed at 31 weeks.
2. Construction observation is assumed at 8 hours per day for 31 weeks.
3. Number of construction progress meetings = 31.
4. Maximum number of change orders = 3
5. We have assumed 8 construction applications for payment.
6. Construction quality control materials testing and construction survey staking will be by the Contractor.
7. Construction of this project will be in the year 2018.
8. No easements will be required.
9. No utilities will be required to be relocated for this project.

HAL PROPOSAL SPREADSHEET

CLIENT: MIDVALE CITY
PROJECT: 2018 PIPELINES SERVICES DURING CONSTRUCTION

Pha Task #	Task Activity	Billing Period	Hours					Office Hours	Drafting	Field Tech	Senior Tech	GPS Surveying	Prof II	Sr. Prof. I	Managing Prof.	Principal	Total Hours	Labor Cost	Comm. Charge	Miles Travel	Direct Expense	Expense Cost	Total HAL Cost with Contingency Costs & Rate Inc.	COMMENT	
I	100 DESIGN																	0	\$0.00	0	0	0	\$0.00	\$0.00	\$5,441.00 Applied Geotechnical Engineering Consultants
	100 Geotech required for boring under canal	1																0	\$0.00	0	0	0	\$0.00	\$0.00	\$5,441.00 Subconsultant Costs w/Sub Contingency
	SUBTOTAL HOURS/UNITS:																	0	\$0.00	0	0	0	\$0.00	\$0.00	\$5,441.00 Subconsultant Costs w/Sub Contingency
II	SERVICES DURING CONSTRUCTION																	1	\$113.30	1	10	2325	\$6,091.25	\$122,444.98	31 Weeks @ full time observation Assume 8 hr/day
	200 Prepare / submit Bidding Advertisement	1																1	\$113.30	1	10	2325	\$6,091.25	\$122,444.98	31 Meetings 2 hrs per week for 31 weeks 3 Change Orders 8 Payments
	201 Distribute Bidding Documents	1																4	\$346.10	4	20	450	\$1,200.00	\$2,624.90	
	202 Receive and respond to RFIs during bidding	1																6	\$679.80	6	10	480	\$1,316.26	\$2,896.40	
	203 Attend/assist with pre-bid meeting and walkthrough	1																5	\$698.90	5	10	480	\$1,316.26	\$2,896.40	
	204 Attend Bid Opening	1																2	\$292.80	2	10	480	\$1,316.26	\$2,896.40	
	205 Review bids & prepare recommendation for award	1																6	\$1,077.00	6	10	480	\$1,316.26	\$2,896.40	
	206 Conduct pre-construction meeting & prepare contracts	1																11	\$1,203.95	11	10	480	\$1,316.26	\$2,896.40	
	207 Provide on-site construction observation	1																1240	\$102,362.00	1240	2325	\$6,091.25	\$122,444.98		
	208 Review shop drawings/submittals	1																20	\$2,960.00	20	480	2325	\$6,091.25	\$122,444.98	
	209 Conduct weekly progress meetings	1																66.5	\$8,858.45	66.5	480	2325	\$6,091.25	\$122,444.98	
	210 Review /respond to contractor RFIs during construction	1																62	\$7,024.60	62	480	2325	\$6,091.25	\$122,444.98	
	211 Review/process contractor change orders	1																6	\$679.80	6	10	480	\$1,316.26	\$2,896.40	
	212 Review/process contractor pay requests	1																16	\$1,812.80	16	10	480	\$1,316.26	\$2,896.40	
	213 Conduct final walk through & prepare punch list	1																9	\$1,284.50	9	20	450	\$1,200.00	\$2,624.90	
	214 Prepare record drawings	1																57	\$5,012.85	57	20	450	\$1,200.00	\$2,624.90	
	215 Submit documents to Division of Drinking Water	1																0	\$0.00	0	0	0	\$0.00	\$0.00	Not required
	209 Quality Control / Quality Assurance (QA/QC)	1																8	\$1,171.20	8	2895	0	\$0.00	\$0.00	\$1,341.12
	SUBTOTAL HOURS/UNITS:																	1519.5	\$134,886.05	1519.5	2895	0	\$0.00	\$0.00	\$10,972.75 \$160,444.68
	SUBTOTAL																		\$134,886.05	1519.5	2895	0	\$0.00	\$0.00	\$10,972.75 \$160,444.68
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																			\$134,886.05	1519.5	2895	0	\$0.00	\$0.00</	

PHASE TASK	Labor Costs	Direct Costs	Subtotal w/Contingency	Subconsultant Costs	Sub Total
I 100 DESIGN	\$ 0.00	\$ 0.00	\$ 0.00	\$ 5,441.00	\$ 5,441.00
II SERVICES DURING CONSTRUCTION	\$ 134,886.05	\$ 10,972.75	\$ 190,444.08	\$ 0.00	\$ 190,444.08
TOTAL	\$ 134,886.05	\$ 10,972.75	\$ 190,444.08	\$ 5,441.00	\$ 196,895.00

FILENAME

STANDARD FEE SCHEDULE 2018

PERSONNEL CHARGES

Client agrees to reimburse Hansen, Allen & Luce, Inc. (HAL), for personnel expenses directly related to the completion of the project, in accordance with the following:

Senior Managing Professional.....	\$179.50/hr
Managing Professional.....	\$156.50/hr
Senior Professional II	\$145.25/hr
Senior Professional I	\$136.10/hr
Professional III	\$126.20/hr
Professional II	\$113.30/hr
Professional I	\$105.30/hr
Professional Intern	\$95.10/hr
Engineering Student Intern.....	\$49.35/hr
Senior Designer.....	\$101.50/hr
Senior Field Technician	\$101.60/hr
Field Technician	\$82.55/hr
CAD Operator	\$82.55/hr
Secretary.....	\$60.75/hr
Professional Land Surveyor.....	\$116.70/hr
1 Man GPS Surveying Services – Surveying Technician.....	\$103.50/hr
1 Man GPS Surveying Services - PLS.....	\$137.90/hr
2 Man GPS Surveying Services - PLS.....	\$153.80/hr
Expert Legal Services.....	\$288.50/hr

DIRECT CHARGES

Client also agrees to reimburse HAL for all other costs directly related to the completion of the project. Direct charges shall include, but not be limited to, the following:

Communication, Computer, Reproduction.....	\$6.00 per labor hour
Out-of-town per diem allowance (lodging not included)	\$46.00 per day
Vehicle	\$0.65 per mile
Outside consulting and services	Cost plus 10%
Other direct expenses incurred during the project	Cost plus 10%
Trimble GPS Unit	\$130.00 per day
Drone Unit.....	\$500.00 per day plus data conversion costs
Data Logger/Transducer	\$125.00 per week

INTEREST CHARGE AFTER 30 DAYS FROM INVOICE DATE1.5% per month

Note: Annual adjustments to personnel and direct expense charges will occur in January of each year. Mileage rate changes are based on fuel prices.