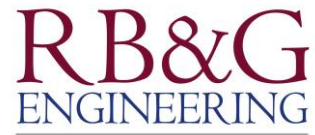


March 29, 2024



Norm Beagley, MPA, P.E.
Santaquin City Manager
110 South Center Street
Santaquin, Utah 84655

Re: Santaquin City Main Street Reconstruction

Dear Mr. Beagley:

In accordance with your request, we are outlining below our proposal to perform materials testing for the Santaquin City Main Street Reconstruction Project. It is our understanding that this project consists of reconstructing and widening eight blocks of main street, including new utilities, with four blocks being completed during the 2024 construction season and the remaining four blocks completed in 2025. It was requested that we provide a cost for doing QA testing and a separate cost for doing both QC and QA testing. If we are doing only QA testing, we have assumed a technician will be required an average of 20 hours a week for 6 months each construction season; this increases to an average of 30 hours a week if we are asked to perform both QC and QA testing. It is anticipated that additional technicians will be required during asphalt paving. It is our understanding that our technicians will work closely with and be directed by Santaquin City inspectors.

This is a UDOT project so testing will be performed in accordance with UDOT standards including testing frequency and will be completed by WAQTC certified technicians. We anticipate that this project will include soils, concrete, and asphalt testing. We have estimated the number of tests required based on the project quantities, but the actual number of tests performed is dependent on the contractor's schedule and production.

Shown below are the unit rates for personnel and tests that may be required for this project.

Asphalt						
Gyratory	60	sets	@	\$	90.00	\$ 5,400.00
Rice Test	80	tests	@	\$	65.00	\$ 5,200.00
Cores	200	cores	@	\$	30.00	\$ 6,000.00
<i>(Includes measuring, trimming, and density determination)</i>						
Technician II	30	hrs	@	\$	70.00	\$ 2,100.00
<i>(Generate random numbers for samples & core locations. Layout core locations, if needed)</i>						
Technician I	200	hrs	@	\$	60.00	\$ 12,000.00
<i>(Obtain samples, pick up cores, etc.)</i>						
Subtotal						\$ 30,700.00

Soils (includes granular borrow, UTBC, and utility trench backfill)						
Proctors	40	ea	@	\$	140.00	\$ 5,600.00
Gradations (-3" GB)	25	ea	@	\$	100.00	\$ 2,500.00
Gradations (-1" UTBC)	50	ea	@	\$	90.00	\$ 4,500.00
Atterbergs	75	ea	@	\$	90.00	\$ 6,750.00
In-place Density Tests	2000	ea	@	\$	6.00	\$ 12,000.00
Materials Technician I (QA/QC)	1560	hrs	@	\$	60.00	\$ 93,600.00
<i>(Obtain samples and perform in place density testing)</i>						
Materials Technician I (QA)	1040	hrs	@	\$	60.00	\$ 62,400.00
<i>(Obtain samples and perform in place density testing)</i>						
Subtotal (QC/QA Option)						\$ 124,950.00
Subtotal (QA Option)						\$ 93,750.00

Concrete						
Cylinders	100	sets	@	\$	55.00	\$ 5,500.00
Materials Technician I	0	hrs	@	\$	60.00	\$ 0.00
<i>(Perform field tests and pick up cylinders, included in soils technician time)</i>						
Subtotal						\$ 5,500.00

Staff						
Lab Manager	100	hrs	@	\$	135.00	\$ 13,500.00
Clerical	50	hrs	@	\$	75.00	\$ 3,750.00
Principal Engineer	10	hrs	@	\$	200.00	\$ 2,000.00
Subtotal						\$ 19,250.00

Total (QC/QA Option)	\$ 180,400.00
Total (QA-only Option)	\$ 149,200.00

We appreciate the opportunity to submit this proposal to you. If you have any questions, please don't hesitate to call, and discuss with me or with our lab manager, Jacob Boone.

Sincerely,

RB&G ENGINEERING, INC.



S Robert Johnson P.E.,
Principal