

# Questions and Answers

## Center Street Bridge Foundation Stabilization (ENG18041)

June 20, 2019

### **QUESTION 01**

In Measurement and Payment, Item No. 2 Traffic control it states that price will include traffic control for utility providers performing work on this project. I don't see where plans or specifications discuss proposed utility work to be completed or any information regarding the amount of time each utility contractor will need for traffic control support. This information will be needed in order to provide an accurate traffic control quote.

### **CITY RESPONSE 01**

This is a cut and paste item from our Measurement and Payment Template. There are no utility relocations expected as part of this project. However, there may be need for Blue Staking and Utility locating efforts. The contractor shall provide a safe environment for locating crews.

### **QUESTION 02**

In Measurement and Payment, Item No 2 it requires traffic to be restored at the end of each day. Has the City provided the contractor a staging area when traffic is restored - night time, weekends, etc?

### **CITY RESPONSE 02**

Contractor shall submit a traffic control plan and obtain a Work in the Right of Way Permit from Logan City and comply with all requirements of MUTCD. Contractor shall maintain and delineate (by use of cones, barrels, or other traffic control devices) traffic in both directions at all times. Full closure is not allowed. The roadway shall be fully restored at the end of each work day and weekends and during times when there is no construction activity.

The City will allow staging within the roadway on Center Street/ Mountain Road while maintaining at least 2 lanes of traffic (one in each direction). Other staging locations must be secured by the contractor should there be a need. In all cases, staging areas and access points shall be fully restored to original condition.

### **QUESTION 03**

In Measurement and Payment - Item No. 3 - Quality Control Testing it mentions proctors, gradations, CBR values, and compaction testing for asphalt and untreated base course. Is this a generic description or should we anticipate the need for asphalt paving and or UT base course? Project specific notes on sheet G3 of G4 also discusses granular backfill borrow. Is granular backfill borrow material needed on this project and if so what volume and what location?

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### **CITY RESPONSE 03**

This too is a cut and paste item from our Measurement and Payment Template. However, concrete testing, bedding, levelling, and fill materials must meet Logan City standard and require gradation, proctor and testing. Quality assurance shall be required for concrete. Proposed material submittals must be made to the City's Project Manager for review and authorization.

### **QUESTION 04**

In Measurement and Payment Item No. 8 it states that the harvesting and planting of the post plants is included, does this mean that the square footage of the area where the post plants will be planted will be measured and paid at the unit bid price?

### **CITY RESPONSE 04**

Areas to be planted and restored will be measured at the end of the project and paid at the unit bid price and may vary from the quantity shown.

### **QUESTION 05**

Details B/P2 and C/P2 show the post plants planted every 12" or 12', copy of plans are blurry. Will you please clarify? Detail E/D2 shows post plants planted every 5'. There seems to be a discrepancy. Also, I'm assuming the spacing noted in the above mentioned details are perpendicular to stream flow or should we assume spacing is for both perpendicular and parallel to stream flow?

### **CITY RESPONSE 05**

Plantings are called out for 12-ft spacing in the longitudinal direction (river flow) and 5-ft spacing in the transverse direction.

### **QUESTION 06**

Should we assume that the post plant will only be planted above the gabion walls as shown in the details mentioned in question 5?

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### **CITY RESPONSE 06**

Yes. Plantings are to be installed into the gabion areas as shown.

### **QUESTION 07**

B/P2 and C/P2 are a cross section perpendicular to the river bed but details do not show any riprap in stream bed. Are we to assume that this detail is only detailing the gabions even though the cut runs through the entire length of the stream bed?

### **CITY QUESTION 07**

Although it is intended to be called out, the rip rap did not show in B/P2 and C/P2. The plan view on the top of sheet P1 clearly shows the extent of intended rip rap installation.

### **CITY RESPONSE 08**

Detail B/P2 is cut approximation at sta. 1+60 and corresponding detail shows gabion wall at the station of the cut but a note on sheet P1 of P3 states that gabion walls runs from sta. 2+05 through sta. 2+45. Please clarify.

### **RESPONSE 08**

There is an error on the call out on the plans. The correct stationing for placement of gabions is approximately 1+40 to 2+00. The plans sheet shows the proper location. The bid schedule reflects the length of gabion for unit price bidding purposes.

### **QUESTION 09**

Is there any data available that gives the average water elevation and stream flows for this section of the river for each month?

### **CITY RESPONSE 09**

Noted in Table 4.1 MODELING ELEVATION RESULTS of the Technical Report prepared by Franson Civil Engineers, the ordinary high-water elevation is 4558.92 in the river's existing condition (prior to designed improvements). The Technical Report is found in the JOINT

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PERMIT APPLICATION on the City's Purchasing web page for the project and can be found at the following URL: [https://www.loganutah.org/bid\\_detail\\_T11\\_R136.php](https://www.loganutah.org/bid_detail_T11_R136.php)

Lowest flows are typical during July/August. During this time, diversions for canal and irrigation water upstream of the work area are at their highest (canals typically draw approximately 90 cfs upstream of the bridge). Based on NOAA projections during this period, expected flow rates at the bridge decrease to approximately 20 to 50 cfs

### **QUESTION 10**

Notes in plans state that water can be diverted using cofferdams or a pipe diversion system. Neither system will completely eliminate water in the work zone, however, it will provide a barrier from stream flow and work taking place in the work zone. Is it expected that all work, including placement of the concrete, be done in the dry where dewatering will be required or is some standing water (not flowing water) acceptable in the work zone?

### **CITY RESPONSE 10**

Water should be diverted from the work zone to the maximum extent possible. Minimal standing water is allowed. Prior to re-establishing flows through a work area, the contractor shall ensure that the area is free of excess sediments and other potential pollutants.

Standing water is not allowed where placing concrete.

### **QUESTION 11**

If dewatering is required, has the City provided a place for a holding/settling pond for the water to run through prior to reentering the river?

### **CITY RESPONSE 11**

No. The City does not have an area to place a holding pond.

### **QUESTION 12**

Logan River will be running higher than usual this year even into the later months. This will make working in the river more difficult and therefore more expensive. Is the City willing to extend the completion date to either December 31, 2019 or even March 31, 2020?

### **CITY RESPONSE 12**

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The completion date was selected based on canal diversion schedules and anticipated low flow periods. The City has applied for a Joint 404 permit with the Utah State Engineer's office and must comply with the completion date specified.

#### **QUESTION 13**

Can you provide more detail on the requirement of the Registered Stormwater Inspector? Will there be requirements to test the turbidity of the water during the diversion period?

#### **CITY RESPONSE 13**

Utah Stormwater rules require a "qualified person" to perform stormwater related inspections and oversight. A qualified person is someone knowledgeable and certified in stormwater related activities. RSI is one of several acceptable certifications.

There is not currently a plan to test for turbidity, however, it may be required by the Division of Water Quality as a condition of the Stream Alteration Permit. At minimum, plan for frequent periodic visual inspections that safeguard water quality standards.