



## ENG 16046 400 North Raised Planter Median Construction Project

### Questions and Answers

April 26, 2017

This information is hereby attached to and made part of the Bid Request Documents

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1. Given a realistic start date at more than 10-15 days after the bid opening to account for the notice to proceed, executing bonds and paperwork, submittals and acceptances, UDOT Permitting process, add the holiday project shut down, daily lane closure restrictions from 3pm-7pm; the time line seems unreasonable. Would the City consider extending the deadline date from June 30th to a more doable working schedule?
  - a. The June 30<sup>th</sup> deadline was created to give a 2 week buffer in case of rain delays varying site conditions or change orders. Baring any of these the bid schedule shall reflect a June 30<sup>th</sup> completion date.
2. On sheet TS101, it shows a 3-foot excavation for the geomembrane placement with 18" of topsoil cover, what materials are required for the other 18" not referenced.
  - a. Any material beyond top soil will be backfill barrow 3" minus as per the city standard however this membrane may be trenched in reducing the amount of backfill needed.
3. On sheet L101 and L102, in regards to note #8, what is the lead time on the UDOT approved irrigation plan and who is it submitted to? Is there a UDOT reference as to what is expected to minimize time for approval?
  - a. An irrigation piping plan detail submittal as part of the encroachment permit will be required. The city will try and meet with UDOT ahead of submittal and clear up any potential delays and make sure the Parks departments requests as per Addenda 1 and 2 meets their approval.
4. On sheet L101 and L102, in regards to note #10, it references contractor to provide electrical connection – where is this connection to be made?
  - a. The controllers for the irrigation system would be best situated near each of the two water meters and tied into electrical there with a 2" conduit bored under the road for each one for control wires with 2 zones per median. All this under item # 24.
  - b. **The electricity for the controls will come off of the nearest power pole on both 300 and 500 East. Logan Light and Power will run it to the base of the pole and the contractor will run 2" conduit from the control box, at a 24" depth, with an**

elbow up to within 2' of the pole. Both poles are within about 50' of the control boxes. Added 4/27/17.

5. On sheet L101 and L102, in regards to note #11, we cannot locate the UDOT Specification for this. Would you please provide a reference for the two year maintenance program from UDOT, a scope of what this involves, and what is considered maintenance, ie motor vehicle damage?
  - a. The 2-year maintenance is a city requirement and involves normal care of the irrigation system and plants only.
6. What will be the mix design for the all the concrete work on this project (curb and flatwork)? (Is it UDOT's AA (AE) mix design??)
  - a. Yes UDOT's required mix design for curb and gutter.
7. On some catch basins it specifically calls out for "solid lid". In this case we are assuming the use of a UDOT GF5. Is this correct? In other locations we are assuming a UDOT GF3 Standard. Is this correct?
  - a. According to the most recent UDOT specifications the solid lid shall be a GF4 instead of the GF5 in the note on the detail sheet. Yes the other locations require a GF3 standard.
8. Some boxes are being placed over existing concrete pipe. Will a "dog-house" box be acceptable in these locations?
  - a. No UDOT requested the pipe be cut and the box inserted.
9. What will be required as far as material certifications for pipe, catch basins, and water meter boxes/ will there be "Buy America" documentation required?
  - a. No, this project is CDBG funded and does not require Buy in America Documentation.
10. How deep are the storm drain and boxes?
  - a. The UDOT spec doesn't require any sump depth nor does it ban a sump depth. It only gives a minimum depth of 4 ft. Pipe inverts and rim elevations are given.
11. How deep did you calculate the excavation quantity in the medians? What material goes in the bottom 18" under the 18" of topsoil if we excavate 3 deep.
  - a. See Question #2 above.
12. We assume Concrete barrier is required to protect the median excavation Trench at the inside traffic line? The concrete barrier will take up 3' of the inside traffic lane. What areas do your removal of pavement markings include?
  - a. As per UDOT's hazard mitigation detail TC 3A-1 found here <https://www.udot.utah.gov/main/uconowner.gf?n=8253812374428899> There are other approved methods besides concrete barriers. i.e. a 4 to 1 slope from asphalt cut with candlesticks or other approved method.

- b. Remove all pavement markings between the dashed lane lines, but not the dashed lane lines themselves, and any turn arrows on adjacent streets as indicated or needed. Added 4/27/17.
- 13. Will we be able to close any intersections as the work progresses?
  - a. As for 300 East and 500 East, north/south traffic will be stopped first thing. As for 200 East, 400 East and 600 East left turn lanes may be closed as needed.
- 14. Does the concrete flatwork go on top of the asphalt?
  - a. Yes it can.
- 15. Where will the power/ outlets to each island for sprinkler controllers come from?
  - a. See question #4.
- 16. What are the hours of Logan City noise ordinance? With the lane restrictions from 3PM to 7PM this may require some early morning or nighttime work to complete?
  - a. Logan city's noise ordinance is from 10 PM to 7 AM Monday thru Saturday and all day Sunday. If night time and or early morning work is believed to be required, please reflect these days in your schedule and a variance may be applied for pending mayor's approval.
- 17. Will Logan City waive the enforcement of the noise ordinance to allow for night time and early morning work?
  - a. See question #16.
- 18. Will a concrete barrier be required along the excavation to comply with the clear space requirements for UDOT if it cannot be backfilled prior to opening the lanes of traffic every afternoon?
  - a. See question #12.
- 19. Do you have a detail for the Aggie Blue pavement marking item, i.e Layout or drawing.?
  - a. The Aggie blue thermoplastic marking will go between the existing white crosswalk bars. On 600 East crosswalks only and will no longer be used on 200 East as per Addendum 1.

END OF QUESTIONS