



CITY OF DURHAM
 Department of Public Works
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Date: November 9, 2017

To: Perspective Bidders
Subject: Addendum Three: Questions Submitted by Bidders
Project: 2018 Street Repairs and Repaving (ST-285)

This addendum includes one new requirement and addresses the questions that were asked by perspective bidders prior to the bid opening.

As part of the submittals, prior to issuance of the Notice to Proceed, the contractor will be required to get the engineer’s approval on traffic control plans.

The questions submitted over the past week are as follows:

Will shoulder reconstruction be required for any streets?

No. All the streets have curb and gutter.

The binder quantity seems to be off. Is this number correct?

No. I have updated the bid quantities again and the new bid sheet is attached (page 4).

Rippling Stream is one of the AST streets. There is a double yellow centerline on this street. Are we going to have to remove these lines before applying AST?

Yes. I’ve added in a line item on the attached revised Unit Price Sheet.

Can you tell me where I19.0B mix is to be placed? I don’t see anything in the street information list that identifies where this mix is to be placed.

I19.0B mixed is used for the patching only. The lift depths for patching are as follows:

Lift Depth	Material
1.5” to 2.0”	Asphalt Concrete Surface Course, Type S9.5B
2.5” to 4.0”	Asphalt Concrete Intermediate Course, Type I19.0B
3.0” to 5.5”	Asphalt Concrete Base Course, Type B25.0B
4.0” to 10”	Aggregate Base Course

What type of permanent construction signs will be required on each street? Can these be placed on windmasters or will you require these to be mounted on U-channel posts?

These signs will replace the message boards at the start of construction (most likely they will be loose gravel or construction ahead signs). Windmasters are fine, but they will need to be maintained overnight, weekends, and Holidays during construction on that location.

Concerning the 24 hours for paving back exposed stone subgrade, will the areas with exposed stone be patched before paving? And if so, will this meet the 24 hour limit.

If you encounter a small area of exposed stone, patching with asphalt will be required. Once the asphalt covers the stone, you have met the 24 hour window. Then you will have 3 days to apply the final lift.

On streets where we're milling more than 1.5", can we lower the manholes and water valves below the milled surface? Will you pay for all adjustments back up to the finished surface?

On previous projects, contractors tend to lower the utilities below the milled surface to avoid damage from the milling machine. This is entirely acceptable. However, the City will only pay for ONE adjustment per utility. We will not pay for the utility to be lowered then re-adjusted to the final height. We will only pay for the final adjustment.

Please clarify what's included in parking management. Does this include towing of vehicles parked in the work zone?

Parking management includes all no parking signs, cones in parking areas, and other materials necessary to attempt to keep cars from parking in a work zone. It does not include towing of vehicles during construction.

Please provide more detail about your note concerning rails under Main Street.

When repaving the intersection of Main Street and Fayetteville Street, the contractors found the old rail line underneath the street. There is a rail line that runs along the section of Main Street we are repaving. In the past, these rails have been found to commonly be less than 6" deep. As we are only milling 1.5", we may or may not encounter them. If encountered, they will remain in place and milling will need to be completed around them.

On Main Street, are we milling through the N. Dillard Street and N. Queen Street intersections?

We will be paving through these intersections with Main Street as having the primary crown. We will extend slightly into the side streets at these intersections to allow for the correction of these crowns. The attached map shows the extent of the limits in this area.

Can you tell me where block border speed humps are located in Durham so we can see what they look like?

The speed humps on Rippling Stream Road are block border speed humps. Also, eleven speed humps were installed last year. They are located on Sanderson Drive between Stadium Drive and Valley Drive, E. Ellerbee Street between Lindbergh Street and Stephenson Street, and Winston Road between Fairfield Road and W. Carver Street.

For the streets that we're using message boards, are we going to have to notify with door hangers as well?

No. If a street has a message board, it will not require door hangers.

Is there a certain percentage of the work the prime contractor is required to perform?

The prime contractor is expected to be able to perform a majority of the work; however, there is no set percentage on how much they must actually perform.

In the project manual, there are two different time limits set for paving back – 14 days and 3 days. Which is correct?

The City will require the final lift of asphalt to be applied within 3 days of milling (or 3 days after

laying AST for Cape Seal).

Do the castings for the utilities need to be made in the US?

We do not require that the castings be made in the US, but we do require that they meet standards.

Can you provide more descriptive information concerning line item 40 – Thermoplastic Green Markings?

Yes. According to the Transportation Department, the contractor is welcome to use “cookdown” performed sheets of thermoplastic, or hot apply the product. The application should be 90 mils. Some pictures and general specifications are listed below.

Thermoplastic



Thermoplastic
Surface Preparation

Polymer Resin, pigment, glass beads, and filter
Pavement should be free of dirt, dust, and moisture. Typical preparation consists of street sweeping and then brushing.

Installation
Temperature

Some (but not all) thermoplastic requires that pavement and air temperature be 50 to 55 degrees Fahrenheit for most materials to bond properly. Most thermoplastics should be heated to 400 – 450 degrees Fahrenheit.

Installation
Considerations

Many thermoplastics can be applied immediately to new asphalt, but new concrete must cure at least 30 or longer days prior to installation. Primer is typically required for application to concrete roadways and may assist with adherence on older asphalt surfaces. Cure time is measured in minutes.

Sincerely,

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