

**Pre-Bid Conference for
ST-280: Street Repairs and Repaving 2016
April 6, 2016 – 10:30 AM
Agenda and Notes**

Greeting and Project Introduction:

- Meeting handouts- (attached)
 1. Pre-bid meeting agenda,
 2. Revised Unit price bid sheet
- Business Cards
- Attendance Sheet- Now available on project website: <http://durhamnc.gov/2797/2016-Street-Repair-Repaving-ST-280>
- Introduction of City Employees in attendance
- Project Manual posted on the city web page: <http://durhamnc.gov/2797/2016-Street-Repair-Repaving-ST-280>

Contract Administrator – Mr. Kitty Thomas, EI

SDBE Requirements:

EO/EA- Vincent Wingate

- Goals-1% MBE , 0% WBE
- SDBE Forms in Appendix A
- Certified SDBE List of Firms in Appendix B

Special Instructions to Bidders

- Bid Opening Date and Time: 11 am, Wednesday, April 27, 2016 at Conference Room 3A, 3rd floor, City Hall
- Bid form & Items to be included with Bid Submission- See Bid form (Page 29) and Instructions to Bidders(Page 11-24) in Project Manual

Project Details and Other Discussion Topics:

- Details of Project locations and Work- annual repaving project- total 7.25 lane miles (1.8 FDR and 1.2 micro surfacing). Work to be done in 4 streets, Work includes mill and fill, full depth reclamation, paving, microsurfacing
- Check multiplication & addition in Bid Form.
- Work must start within 10 days from receipt of Notice to Proceed - Construction.
- Liquidated Damages – See page 40 of Project Manual
- Day/Time Restrictions – See page 40 of Project Manual
- In the case of contradictory information, the Contract Manual supersedes – Some revisions to be made to project manual and Unit price Bid sheet- to be posted in Addendum
- Submittals & Video recording of each city street prior to work.
- Inspection services
- Public Advisory Notice- 15 days before start of any work . The notices should be sent out within 10 days of notice to proceed
- Towing Vehicles – Not a bid item. If towing required, submit invoices to City for payment
- Site Cleanliness
- Traffic and Dust Control- See details in Project Manual. Dust control for FDR incidental to Bid item# 4 in handout #2
- Explanation of bid items- Please note that Bid items/quantities/ bid item numbers have changed from bid sheet in project manual
 - Full Depth Reclamation
 - Microsurfacing- 1/4 inch thick layer
 - Milling- this bid item will be modified to add more item for milling at various depths
 - Utilities- Only one adjustment paid per utility requiring adjustment

- Mobilization

**Detailed Explanation of Each line Item in Revised Bid sheet-Handout #2
(items displayed in the following order)**

No.	Bid Item Description	Units	QTY	Unit Price	Cost
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1	Asphalt Base Course - Type B25.0B	TON	8,500		
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To be used for patching

2	Asphalt Binder for Plant Mix - Grade PG64-22	TON	750		
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Asphalt Binder to be used in paving of streets after FDR. This includes binder used in patching(PSR).This line item does not include Binder used in in micro-surfacing.

3	Asphalt Surface Course - Type S9.5B	TON	8,300		
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Final lift of asphalt

4	Modified Recycled Base Course (Full Depth Reclamation 12-14")	SY	16,928		
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Full depth Reclamation(FDR) line item- City recommends cement rate of 40 pounds/SY
Dust control and erosion control for FDR process incidental to this line item

5	Portland Cement for Cement Modified Recycled Base	TON	350		
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Cement used for FDR

6	Micro-Surfacing (1/4" thick overlay)	SY	10,500		
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Includes all labor and material, dust control, binder costs for micro-surfacing.

7	Manhole Frame and Cover Replacement	EA	20		
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8	Manhole Adjustments - Cast in Place	EA	22		
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14	Valve and Meter Box Adjustments - Cast in Place	EA	6		
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15	Valve and Meter Box Frame and Cover Replacement	EA	5		
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Line items for Utility adjustments/replacements

9	Milling Asphalt - 1.5" to 3.0"	SY	54,500		
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10	Milling Asphalt - above 3"	SY	5,000		
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As discussed, more line items will be added to separate milling depth ranges. Maximum anticipated depth of milling is 8". It is expected that the asphalt is thicker than the proposed milling, however if other material is encountered a change order will be discussed.

11	Pavement Structure Repair (10" to 18" Below Existing Pavement)	SY	500		
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12	Pavement Structure Repair (0" to 10" Below Existing Pavement)	SY	15,000		
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Line items for patching

13	Temporary No Parking Signs (Install and Remove)	LS	1		
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16	Incidental ABC Stone	TON	50		
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This includes stone to be put down at gravel driveways to bring up to grade.

17	Seeding and Mulching	SY	1,200		
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18	Grading	LS	1		
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Line Items for seeding and mulching and grading to bring the shoulders to grade at Edcook Rd

19	Thermo Pvmt Marking Lines (4", 90 mils) - White	LF	30,400		
20	Thermo Pvmt Marking Lines (4", 120 mils) - White	LF	2,750		
21	Thermo Pvmt Marking Lines (4", 120 mils) - Yellow	LF	33,500		
22	Thermo Pvmt Marking Lines (8", 90 mils) - Yellow	LF	700		
23	Thermo Pvmt Marking Lines (8", 120 mils) - White	LF	130		
24	Thermo Pvmt Marking Lines (16", 120 mils) - White	LF	670		
25	Thermo Pvmt Marking Lines (24", 120 mils) - White	LF	685		
26	Thermo Pvmt Marking Characters	EA	12		
27	Thermoplastic Left Turn Arrow (120 mils)	EA	47		
28	Thermoplastic Combo Right/Straight Arrow (120 mils)	EA	3		
29	Thermoplastic Combo Soft Left/Hard Left Arrow (120 mils)	EA	1		
30	Thermoplastic Soft Left Arrow (120 mils)	EA	1		
31	Thermoplastic Combo Soft Right/Hard Right Arrow (120 mils)	EA	1		
32	Thermoplastic Bicycle Symbol (90 mils)	EA	32		
33	Thermoplastic Bicycle Straight Arrow (90 mils)	EA	32		
34	Thermoplastic Sharrow (90 mils)	EA	10		
35	Thermoplastic Bicycle Loop Detector	EA	4		
36	Inductive Loop	EA-LF			

The above line items used for pavement markings and loops. Item #35 used for markings indicating loops for the bike lanes.

37	Removal of thermoplastic pavement marking	LF			
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This line item to be used for Broad Street from Murray Ave. to Stadium Dr. to remove existing thermoplastic pavement markings before microsurfacing.

38	Traffic Control	LS	1		
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This line item includes all traffic control required for FDR, paving and microsurfacing.

39	Mobilization (Max 5% of Subtotal)	LS	1		
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- Notice to Proceed Construction-Anticipated Construction start: July 2016
- Contract Manager / P6 Scheduler/ PDRx- See Appendix J in Project Manual
- Specifications- All specification or references in project manual
- Other Items for Discussion and Questions
 - Engineers Cost Estimate? The City's cost estimate will be shared after the bid opening.
 - FDR curing methods questions- Accepted curing methods-will answer in addendum after receiving question details by email

- Milling- since the crown on some sections of Roxboro St has to be restored, the depth of milling varies. So as discussed and based on opinions received, adding milling line items for various depth ranges would be better.
- Some street facilities in Roxboro St have Granite Curb and Brick gutter. So asphalt has to be milled off from top of the brick gutter(or popped out manually) to expose it. Will try to preserve as much brick as possible. This is incidental to the milling line items
- Dust Control for FDR- City will not dictate means and methods. Every effort to be made to reduce dust. This is incidental to the full depth reclamation line item(bid item #4)
- City no longer provide manhole/valve covers. Material costs to be included in corresponding line item (7,8,14,15)
- Day/Time Restrictions- City-NCDOT street intersections involved
- Site maps- See appendix of project manual
- Changes in the bid sheet- to be posted in the addendum
- Testing for Cement modified base- Is a Geotech required?
- The City is relying on the contractor to give a recommendation on FDR parameters (mix design, depth, cement rate, etc)
- How does the Bicycle loop detector marking look like? Will post a diagram or picture

Questions: Submit any questions 7 days before bid opening to allow sufficient time to respond via addendum. (April 20, 2016)

Thank you

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36	Inductive Loop	EA			
37	Removal of thermoplastic pavement marking	LF			
38	Traffic Control	LS	1		
39	Mobilization (Max 5% of Subtotal)	LS	1		
			BID TOTAL:		