

**To:** All Interested Bidders and plan holders  
**From:** Craig A Midgett, EI  
**RE:** 2017 Street Resurfacing Project, Addendum #1  
**Date:** March 7, 2017

**The following items clarify, add to, delete from and/or otherwise change and supersede information previously issued to you in the Bid Documents for the above-referenced project. As such, said items shall be considered part of the contract and receipt of this addendum shall be acknowledged appropriately in the bid package. Please review the following items carefully and adjust your proposal accordingly.**

Pre-bid Minutes and Clarifications

1. See Attachment 1, pre-bid meeting minutes, which as part of this addendum shall be considered part of the contract. Changes to bid items and quantities, if noted below, shall override references to the same noted in the pre-bid meeting minutes in Attachment 1.

Changes to Bid List/Special Provisions:

1. The numbering is incorrect in the original contract document. Please note the revised version attached to this document. Please note new items added to the Bid List;
  - a. Portable Lighting
  - b. Type 3 Concrete Wheelchair Ramp
  - c. Wavetronix Digital Wave Radar
  - d. FLIR Trafisense Thermal Detection CameraDefinitions to each added to Unit Price Description.

2. The following is added as a PSP for signal equipment:

**INSTALLATION OF WAVETRONIX/FLIR DETECTION EQUIPMENT:**

The City of Greenville Traffic Division will purchase detection equipment necessary for the work of this contract. The Contractor shall coordinate pickup of equipment with the Traffic Services Division by calling 252-329-4445.

All materials and work methods shall be per the current NCDOT Traffic Signal Specifications manual.

Existing riser/conduit utilized for fiber optic cable shall not be used for the installation of cable for detection equipment. Any new risers/conduit required shall be 2" rigid conduit and are considered incidental to the scope of work.

If pull box modifications are required due to additional conduit entering or exiting, or if new pull boxes are required to accommodate the installation, it shall be considered incidental to the scope of work.

Any span, down guy, or utility adjustment costs required due to the installation shall be incidental to the scope of work. The City Traffic Engineer or designee shall approve of any span or utility adjustment prior to relocation of these utilities.

Cable runs to each detector shall be continuous, without splicing.

City of Greenville Traffic Signal Technician(s) shall assist with the in-cabinet setup of detection zone and controller programming. The Contractor shall coordinate with the Traffic Services Division at the number listed above.

3. Line Item 20: MILLING ASPHALT PAVEMENT, 1" to 3" DEPTH The Full Mill area should have been listed as 138,100 SY.
4. Line Item 21: EDGE MILLING ASPHALT PAVEMENT, 4' WIDE, 1" TO 3" DEPTH. The Edge Mill total is 21,100 SY.
5. Overall milling total of 159,200 SY.
6. In the "**STREET LISTING FOR RESURFACING AND MILLING**", the quantity for milling on Oxford should be 6090 not 690.
7. Patching will be quantified and paid for in tons, not square yards. It was a misprint from an earlier contract. Below is the edited Unit Price Description;

"\_ASPHALT PLANT MIX, PAVEMENT REPAIR, 4" DEEP: Includes all materials, labor, equipment, and incidentals necessary to excavate or otherwise remove unsuitable materials below milled depth, disposal of removed materials, and furnishing, placing, and compacting asphalt plant mix, Type B25.0B. Unsuitable materials may include, but not be limited to, tree roots, soft, wet or otherwise unacceptable soil subgrade, and ABC stone. For purposes of this item, it is assumed the maximum depth of repair will be 8" deep. Payment will be made at the contract unit price for the actual tons of pavement repair performed."

Requests for additional information and/or clarification:

8. The following table indicates which streets are to be fully milled and those that are to be edge milled;

<u>Full Mill</u>	<u>Edge Mill</u>
HOOKER RD	OXFORD RD
W ARLINGTON BV	MOORING LN
E 1ST ST	VAN NORTWICK ST
N ELM ST	BRIMLEY DR
S ELM ST	COUNTRY CLUB DR
MALL DR	MANCHESTER ST
ROCKPORT DR	PEED DR
BEASLEY DR	ROLLINS DR 1A
MEDICAL DR	WILLOW ST
GLENWOOD AV	THACKERY RD
HARVEY DR	YORK RD
SUNSET AV	BELVEDERE DR
E 4TH ST	W VICTORIA CT
LINDENWOOD DR	EASTBROOK DR
LUCI DR	

Any questions regarding this Addendum should be directed to Mr. Craig A Midgett, EI, at telephone 252-329-4474 or email at [cmidgett@greenvillenc.gov](mailto:cmidgett@greenvillenc.gov).

Attachment

cc: Kevin Mulligan, PE, Public Works Director  
Scott Godefroy, PE, City Engineer  
Ronnie Donley, Streets Superintendent  
Lynn Raynor, PE, Civil Engineer II

**SCHEDULE OF QUANTITIES FOR BID**  
**2017 Street Resurfacing Project**  
**OWNER: CITY OF GREENVILLE**

**BID OPENING DATE: March 15, 2017**

The unit prices noted herein shall include installing in place, complete and accepted.

**SECTION 1: STREET RESURFACING**

**Retaining and overlaying and/or leveling existing pavement with asphalt concrete surface course as specified in the Contract Documents.**

Item No.	Item Description	Scheduled Quantities	Unit	Unit Price	Amount
1	MOBILIZATION	1	LS		
2	ASPHALT CONCRETE SURFACE COURSE, S 9.5B	21000	TON		
3	ASPHALT PLANT MIX, PAVEMENT REPAIR, 4" DEEP	7080	TON		
4	ADJUST/REPLACE WATER/GAS VALVE BOXES	27	EA		
5	ADJUST/REPLACE 24" STORM DRAIN/SANITARY SEWER CASTING AND COVER	75	EA		
6	REMOVAL OF EXISTING SPEED HUMPS	11	EA		
7	REMOVAL OF EXISTING CONCRETE CURB AND GUTTER/ 5' SIDEWALK	200	LF		
8	REMOVAL OF EXISITNG WHEEL CHAIR RAMPS	64	EA		
9	Type 1 CONCRETE WHEELCHAIR RAMP	33	EA		
10	Type 2 CONCRETE WHEELCHAIR RAMP	2	EA		
11	Type 2A CONCRETE WHEELCHAIR RAMP	9	EA		
12	Type 3 CONCRETE WHEELCHAIR RAMP	7	EA		
13	Type 4 CONCRETE WHEELCHAIR RAMP	1	EA		
14	Type 4A CONCRETE WHEELCHAIR RAMP	13	EA		
15	30" CONCRETE CURB AND GUTTER	0	LF		
16	4" THK. CONCRETE SIDEWALK	550	SY		
17	INCIDENTAL SEEDING AND MULCHING	1	LS		
18	CHANGEABLE MESSAGE SIGNS	14	EA/WK		
19	PORTABLE LIGHTING	4	EA/WK		

**SECTION 2: COLD MILLING OF ASPHALT PAVEMENTS**

Item No.	Item Description	Scheduled Quantities	Unit	Unit Price	Amount
20	MILLING ASPHALT PAVEMENT, 1" to 3" DEPTH	138,100	SY		
21	EDGE MILLING ASPHALT PAVEMENT, 4' WIDE, 1" TO 3" DEPTH	21,100	SY		

**SECTION 3: PAVEMENT MARKINGS/SIGNALS**

Item No.	Item Description	Scheduled Quantities	Unit	Unit Price	Amount
22	4" THERMOPLASTIC WHITE LINE, 120 MILS	21500	LF		
23	8" THERMOPLASTIC WHITE LINE, 120 MILS	150	LF		
24	12" THERMOPLASTIC WHITE LINE, 120 MILS	1610	LF		
25	24" THERMOPLASTIC WHITE LINE, 120 MILS	1400	LF		
26	4" THERMOPLASTIC PARKING "T"	0	EA		
27	4" THERMOPLASTIC YELLOW LINE, 120 MILS	24800	LF		
28	THERMOPLASTIC PAVEMENT MARKING SYMBOLS, ARROWS (STRAIGHT OR TURN)	115	EA		
29	THERMOPLASTIC PAVEMENT MARKING SYMBOLS, COMBINATION ARROWS	35	EA		
30	THERMOPLASTIC PAVEMENT MARKINGS, "SCHOOL"	2	EA		
31	THERMOPLASTIC PAVEMENT MARKINGS, "ONLY"	5	EA		
32	THERMOPLASTIC PAVEMENT MARKING, "RXR"	2	EA		
33	THERMOPLASTIC PAVEMENT MARKING, "BIKE"	50	EA		
34	THERMOPLASTIC PAVEMENT MARKING, "XING"	4	EA		
35	INDUCTIVE LOOP SAWCUT	11088	LF		
36	WAVETRONIX DIGITAL WAVE RADAR, INSTALLATION ONLY	22	EA		
37	FLIR TRAFISENSE THERMAL DETECTION CAMERA, INSTALLATION ONLY	4	EA		

**SECTION 1: RESURFACING SUBTOTAL** \_\_\_\_\_

**SECTION 2: MILLING SUBTOTAL** \_\_\_\_\_

**SECTION 3: PAVEMENT MARKINGS/SIGNALS SUBTOTAL** \_\_\_\_\_

**BASE BID TOTAL:** \_\_\_\_\_

**SECTION 1: RESURFACING SUBTOTAL** \_\_\_\_\_

**SECTION 2: MILLING SUBTOTAL** \_\_\_\_\_

**SECTION 3: PAVEMENT MARKINGS/SIGNALS SUBTOTAL** \_\_\_\_\_

**PROJECT TOTAL** \_\_\_\_\_

Contractor \_\_\_\_\_

License No. \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

## SECTION 01150 – UNIT PRICES

### RELATED DOCUMENTS:

**The general provisions of the Contract, including the General, Supplementary Conditions and Division-1 Specification sections apply to work of this section.**

### SCOPE:

This section covers methods of payment for items of Work under this Contract.

### GENERAL:

The Total Bid Price for each part of the Project shall cover all Work required by the Contract Documents. All costs in connection with the proper and successful completion of the Work, including furnishing all materials, equipment, supplies and appurtenances; providing all construction plant, equipment and tools; and performing all necessary labor and supervision to fully complete the Work shall be included in the unit and lump sum prices bid. All Work not specifically set forth as a pay item in the Bid Form shall be considered a subsidiary obligation of CONTRACTOR and all costs in connection therewith shall be included in the prices bid.

### ESTIMATED QUANTITIES:

All estimated quantities stipulated in the Bid Form or other Contract Documents are approximate and are to be used only (a) as a basis for estimating the probable cost of the Work and (b) for the purpose of comparing the bids submitted for the Work. The actual amounts of work done and materials furnished under unit price items may differ from the estimated quantities. The basis of payment for work and materials will be the actual amount of work done and materials furnished. CONTRACTOR agrees that he will make no claim for damages, anticipated profits or otherwise on account of any difference between the amounts of work actually performed and materials actually furnished and the estimated amounts therefore. Payment will be made or lump sum prices adjusted according to unit prices bid and as described below.

Mobilization (3% maximum): The unit price bid for mobilization shall be full compensation for preparing for work and associated operations, including but not limited to project bonds and insurance, the necessary movement of personnel, equipment, supplies, and incidentals to or near the project site; for establishing offices and facilities as may be required for the work; and the subsequent removal of personnel, equipment, supplies, and incidentals for the work site at the completion of the work; and all other costs which the Contractor may incur for the work which are excluded from other bid items. One half the total amount will be paid with first partial payment after construction begins, and the remaining one half with the second partial payment. The total amount for mobilization and bonding shall not exceed 3 percent of the total bid price.

Asphalt Concrete Surface Course, Type S9.5B: Includes all materials, labor, equipment, and incidentals necessary to satisfactorily place, complete and accepted, asphalt pavement at the thickness noted in the Bid Form. Payment shall be made at the contract unit price for the actual number of tons incorporated into the project. No separate payment will be made for asphalt binder for plant mix.

Asphalt Plant Mix, Pavement Repair, < 8" D: Includes all materials, labor, equipment, and incidentals necessary to excavate or otherwise remove unsuitable materials below milled depth, disposal of removed materials, and furnishing, placing, and compacting asphalt plant mix, Type B25.0B. Unsuitable materials may include, but not be limited to, tree roots, soft, wet or otherwise unacceptable soil subgrade, and ABC stone. For purposes of this item, it is assumed the maximum depth of repair will be 8" deep. Payment will be made at the contract unit price for the actual square yards of pavement satisfactorily repaired.

Adjust/Replace Existing Water/Gas Valve Boxes: Adjust existing valve boxes as necessary to match the finished grade or to allow for project construction. Payment will be per valve box adjusted as listed in the schedule of quantities. If a water/gas valve needs to be replaced, the contractor may pick up new castings from Greenville Utilities Commission or Eastern Pines Water Corporation.

Adjust/Replace Existing Storm Drain/Sanitary Sewer Castings and Cover: Adjust existing storm drain or sanitary sewer casting as necessary to match the finished grade or to allow for project construction. Payment will be per drop inlet / junction box adjusted as listed in the schedule of quantities. If a storm drain or sanitary sewer casting needs to be replaced, the contractor may pick up new castings from the Public Works Department (storm) or Greenville Utilities Commission (sanitary).

Removal of Existing Speed Humps: Includes removing existing speed humps to finished grade or milled depth, regardless of width or material. Payment will be made at the contract unit price per each speed hump removed.

Removal of Existing Concrete Curb and Gutter/5' Wide Sidewalk: Includes removal and disposal of concrete curb and gutter, including removal of wheelchair ramp wipe downs, and 5' wide sidewalk, regardless of thickness, as well as unsatisfactory subgrade materials. This item includes all necessary materials, labor, equipment and incidentals needed to satisfactorily complete the work. Payment will be at the contract unit price per linear foot removed as listed in the schedule of quantities.

Removal of Existing Concrete Wheelchair Ramp: Includes all materials, labor, equipment and incidentals necessary to remove and dispose of existing concrete wheelchair ramps. Payment will be made at the contract unit price per each ramp removed as listed in the schedule of quantities.



Portable Lighting: Includes all materials, labor, equipment and incidentals necessary to provide and reposition such artificial lighting as may be necessary to provide for safe and proper construction and to provide for adequate inspection of the work. . Payment will be made at the contract unit price per each individual lighting unit utilized per week of use.

30" Concrete Curb and Gutter: This item shall include the materials, equipment, and labor necessary to install 30" concrete curb and gutter including stone base to final grade. Payment will be at the contract unit price per linear foot installed as listed in the schedule of quantities.

4" Thick Concrete Sidewalk: This item shall include all materials, equipment, labor and incidentals necessary to install 4" thick concrete sidewalk, complete and accepted. The work of installing 48"x48" flat concrete pads at the top of wheelchair ramps will be paid as part of this item. Payment will be at the contract unit price per square yard of concrete sidewalk incorporated into the project as shown in the schedule of quantities.

Type 1, 2, 2A, 3 4 & 4A Concrete Wheelchair Ramps: This item includes the materials, equipment and labor necessary to install concrete Wheel Chair Ramps per City of Greenville Standards (NCDOT Std Detail). The cost also includes installation of any curb work / wipe downs associated with the installation of the Wheelchair Ramps, but does not include the removal of any curb work / wipe downs. The Contractor shall use Armor-Tile Cast in Place Detectable Warning Tiles (24" X 48") black in color or approved equal, which shall be considered incidental to the work of wheel chair ramp installation.

Upgrade Existing Wheelchair Ramp: Includes all necessary materials, labor, equipment and incidentals necessary to install truncated domes in existing wheelchair ramps in accordance with current ADA standards. Work shall include cutting, removal, and disposal of existing concrete necessary to install truncated domes. The Contractor shall use Armor-Tile Cast in Place Detectable Warning Tiles (24" X 48") black in color or approved equal, which shall be considered incidental to the work of upgrading the existing wheelchair ramp.

Changeable Message Signs: This item includes furnishing, installing, maintaining, relocating, and removing Changeable Message Signs (CMS) to be used as advance warning of milling and paving operations on certain streets. Payment will be made at the contract unit price for each CMS utilized in the project, per week of use.

Traffic Control (except Changeable Message Signs): Traffic control measures as required are considered a subsidiary obligation and all costs shall be included in the prices bid of other items included in the schedule of prices.

Incidental Seeding and Mulching: This item shall include the labor, equipment and materials necessary to complete incidental seeding and mulching around areas of concrete work. No payment will be made for this item, as it will be considered incidental to the items of concrete work noted elsewhere herein.

Landscaping and Planting: This item shall include the labor, equipment and materials necessary to complete seeding of grass and mulching around areas of concrete work on Hooker Road. Payment shall be made as Lump Sum.

Milling Asphalt Pavement, 1"-3" Depth: Includes all equipment, labor, materials, and incidentals necessary to mill pavement locations to depths noted, clean the milled surface, load, haul, stockpile and/or dispose of milled material. Payment will be made at the contract unit price per square yard measured horizontally along the surface.

Thermoplastic Pavements Markings: Includes all equipment, labor, materials, and incidentals necessary to install thermoplastic pavement markings covered or otherwise removed by the milling and paving operations. Recording locations of existing markings prior to obliteration will be the responsibility of the contractor and is considered incidental to the work of this item. Payment will be made at the contact unit prices per unit as shown in the schedule of prices.

Bid Items for "SCHOOL", "ONLY", and "RXR" will be paid as a complete unit, including any 24" bars required as part of these units. Single stop bars to be installed as locations separate of these items will be paid under the item of 24" Thermoplastic White Line.

Parking "T"'s will be paid per each complete "T".

Inductive Loop Sawcut: Includes all equipment, labor, materials, and incidentals necessary to furnish and install inductive detection loops damaged or removed by the milling and paving operations. Payment will be made at the contract unit price per linear foot of inductive detection loops incorporated into the project, complete and accepted.

Wavetronix Digital Wave Radar, Installation Only: Includes all equipment, labor, and incidentals necessary to provide turn-key installation of Wavetronix equipment at locations specified in the bid form. The City of Greenville Traffic Division will purchase Wavetronix equipment necessary for this work. Any required riser, underground, or overhead conduit modifications, or providing new materials for the same, as well as any span, down guy, or utility adjustment costs, shall be incidental to the work of this item. Payment will be made at the contract unit price per each as shown in the schedule of prices.

FLIR TrafiSense Thermal Detection Camera, Installation Only: Includes all equipment, labor, and incidentals necessary to provide turn-key installation of Wavetronix equipment at locations specified in the bid form. The City of Greenville Traffic Division will purchase FLIR TrafiSense equipment necessary for this work. Any required riser, underground, or overhead conduit modifications, or providing new materials for the same, as well as any span, down guy, or utility adjustment costs, shall be incidental to the work of this item. Payment will be made at the contract unit price per each as shown in the schedule of prices.

Subsidiary Obligations: All work not specifically set forth as a pay item in the Bid Proposal shall be considered a subsidiary obligation of the Contractor and all costs in connection therewith shall be included in the prices bid. Subsidiary obligations include, but are not limited to temporary

drainage provisions, dewatering, removal and off-site disposal of excess or unsuitable materials and debris, removal and replacement of existing features such as culverts, mailboxes, and lawns, and any construction staking needed to complete project.

Testing Allowance: The testing allowance is for testing of asphalt, soils, and concrete. Payment will be made for actual amount invoiced by the Testing Company when authorized by the Engineer.