



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

August 10, 2012

Addendum No. 1

RE: Contract ID C202881

WBS # 34802.3.4, 34820.3.23

F. A. # NHS-124-1(17), STPDA-4121(7)

Guilford County (U-2412B, U-2524AE)

SR-4228 (Vickery Chapel Road) To SR-1424 (Hilltop Road); Greensboro
Western Loop Interchange At High Point Road

August 21, 2012 Letting

To Whom It May Concern:

Reference is made to the proposal furnished to you on this project.

The following revisions have been made to the Proposal:

On Page Nos. 140 and 141, "Section 6. Local Traffic Signal Software" of the project special provisions entitled "Signals and Intelligent Transportation Systems" has been revised. Please void Page Nos. 140 and 141 in your proposal and staple the revised Page Nos. 140 and 141 thereto.

On Page No. 20 and 22 of the item sheets the following pay item quantity changes or deletions have been made:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
242-5691100000-E-1520	4" Sanitary Gravity Sewer	3,850 LF	1,925 LF
351-7980000000-N-SP	Local Traffic Signal Software	11 EA	DELETED
374-8847000000-E-SP	Sound Barrier Wall	1,000 SF	26,595 SF

The Contractor's bid must be based on these revised pay items. The contract will be prepared accordingly.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT UNIT
1591 MAIL SERVICE CENTER
RALEIGH NC 27699-1591

TELEPHONE: 919-707-6900
FAX: 919-250-4119
WEBSITE: WWW.NCDOT.ORG

LOCATION:
CENTURY CENTER COMPLEX
ENTRANCE B-2
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

The Expedite File has been updated to reflect these revisions. Please download the Expedite Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

Sincerely,



R. A. Garris, PE
Contract Officer

RAG/jag
Attachment

cc: Mr. Ron Hancock, PE
Mr. J. M. Mills, PE
Ms. D. M. Barbour, PE
Mr. J. V. Barbour, PE
Mr. R. E. Davenport, PE
Mr. Greg Perfetti, PE
Ms. Lori Strickland
Project File (2)

Mr. Ray Arnold, PE
Ms. Natalie Roskam, PE
Mr. Greg Fuller, PE
Mr. Ronnie Higgins
Mr. Larry Strickland
Ms. Penny Higgins
Ms. Jaci Kincaid

U-2412B & U-2524AE**Signals & Intelligent Transportation Systems**

Provide permanent labels that indicate the slot and the pins connected to each terminal that may be viewed from the rear cabinet door. Label and orient terminals so that each pair of inputs is next to each other. Indicate on the labeling the input file (I or J), the slot number (1-14) and the terminal pins of the input slots (either D & E for upper or J & K for lower).

Provide a minimum 14 x 16 inch pull out, hinged top shelf located immediately below controller mounting section of the cabinet. Ensure the shelf is designed to fully expose the table surface outside the controller at a height approximately even with the bottom of the controller. Ensure the shelf has a storage bin interior which is a minimum of 1 inch deep and approximately the same dimensions as the shelf. Provide an access to the storage area by lifting the hinged top of the shelf. Fabricate the shelf and slide from aluminum or stainless steel and ensure the assembly can support the 2070L controller plus 15 pounds of additional weight. Ensure shelf has a locking mechanism to secure it in the fully extended position and does not inhibit the removal of the 2070L controller or removal of cards inside the controller when fully extended. Provide a locking mechanism that is easily released when the shelf is to be returned to its non-use position directly under the controller.

D. Model 2010 Enhanced Conflict Monitor for Greensboro Signal System:

Provide an EDI model 2010ECL IP conflict monitor for all signals in or compatible with the Greensboro Signal System.

Furnish Model 2010 Enhanced Conflict Monitors that provide monitoring of 16 channels. Ensure each channel consists of a green, yellow, and red field signal input. Ensure that the conflict monitor meets or exceeds CALTRANS Transportation Electrical Equipment Specifications dated August 16, 2002 with Erratum 1 and 2 (hereafter referred to as CALTRANS's 2002 TEES) for a model 210 monitor unit and other requirements stated in this specification. The IP compliant (Ethernet) port (female connector) shall be on the front panel of the conflict monitor in order to provide communications from the conflict monitor to the signal system local area network and/or for use with a Department-furnished laptop computer.

5.4. MATERIALS – TYPE 170 DETECTOR SENSOR UNITS

Furnish detector sensor units that comply with Chapter 5 Section 1, "General Requirements," and Chapter 5 Section 2, "Model 222 & 224 Loop Detector Sensor Unit Requirements," of the CALTRANS "Transportation Electrical Equipment Specifications" dated March 12, 2009 with Erratum 1.

6. LOCAL TRAFFIC SIGNAL SOFTWARE**6.1. DESCRIPTION**

Local traffic signal software shall be compatible with the Greensboro Signal System. Local traffic signal software will be provided and installed by the City of Greensboro. Contractor shall give 5 working days notice before needing software installed.

6.2. MEASUREMENT AND PAYMENT

There will be no direct payment for work covered in this section. Payment at the contract unit prices for the various items in the contract will be full compensation for all work covered in this section.

7. CCTV FIELD EQUIPMENT

7.1. Description

Furnish and install new CCTV cameras, cabinets, poles, field video encoder (CODEC) units and camera control equipment at locations shown in the Plans.

7.2. Materials

A. General

Furnish and install, at the locations shown on the Plans, new CCTV camera assemblies. CCTV camera assembly includes camera, lens, housing, pan and tilt unit, pole mounting adapter, camera controller receiver/driver, CCTV test panel, and camera cabling.

B. Camera and Lens

B.1. Cameras

Furnish new charged coupled device (CCD) color cameras. The cameras shall provide automatic gain control (AGC) for clear images in varying light levels. The cameras shall meet the following minimum requirements:

- Video signal format: NTSC composite color video output, 1 volt peak to peak
- Automatic Gain Control (AGC): 0-20 dB, peak-average adjustable
- Automatic focus: Automatic with manual override
- White balance: Automatic through the lens and manual adjustable from remote controller.
- Electronic-Shutter: dip-switch selectable electronic shutter with speed range from 1/60 of a second (off) to 1/30,000 of a second
- Overexposure protection: The camera shall have built-in circuitry or a protection device to prevent any damage to the camera when pointed at strong light sources, including the sun
- Sensitivity: 1.5 lux at 90% scene reflectance