



City of Concord, New Hampshire

PURCHASING DEPARTMENT

CITY HALL, 41 GREEN STREET

CONCORD, NH 03301

(603) 225-8530

FAX: (603) 230-3656

March 30, 2009

ADDENDUM NUMBER ONE

B44-09

TRAFFIC SIGNAL AND SIDEWALK IMPROVEMENTS

TO ALL FIRMS OF RECORD: This addendum forms a part of and modifies the bidding and contract documents and technical specifications for the project named above. The following changes, additions and clarifications are made to the original Contract Documents:

1. SCOPE OF WORK, Maintenance of Traffic, Page 26. Delete the entire paragraph and replace it with the following paragraph (changes are in **bold**):

“All travel lanes **and full traffic signal operation** shall be maintained at all times on Loudon Road and Fort Eddy Road except during night work hours (10:00 PM to 5:00 AM) when select lanes may be closed **or traffic signal operation temporarily suspended**. Two-way traffic flow and all existing intersection turning movements shall be maintained at all times.”

2. SECTION 619, MAINTENANCE OF TRAFFIC, Page 105. Delete all three paragraphs and replace with the following 3 paragraphs (changes are in **bold**):

See Traffic Control Plan for additional information. The plan is presented to show the general scope of work and expectations for maintaining traffic during construction. The CONTRACTOR is required to submit a formal Traffic Control Plan (TCP) to the Engineer for approval.

All travel lanes **and full traffic signal operation** shall be maintained at all times on NH Route 9 (Loudon Road) except during night work hours. The Contractor shall conduct night work on NH Route 9 (Loudon Road) to complete the requirements of this contract. Authorized night work hours are anticipated to be from 10:00 pm to 5:00 am. The Contractor shall confirm these work hours prior to initiating work on the contract. Written permission authorizing night time work is required from the City of Concord, City Engineer.

Flaggers (Item 618.7) shall be used for such authorized work to maintain traffic as directed by the Engineer during non-night work hours. Uniformed Officers with vehicle (Item 618.61) shall be used for all night work

3. **GENERAL PROVISIONS AND EXPECTATIONS, Page 62.** Add the following:

PLANS OF EXISTING CONDITIONS

The City will provide the Contractor with available traffic signal plans or documentation depicting existing traffic signal design conditions. This includes documentation of signal controller modifications to be made by NHDOT at Locations 2, 3, 4 and 5.

4. **SPECIAL PROVISION for Items 616.192, Alterations to Traffic Signals, Pages 84-86; 616.193, Alterations to Traffic Signals, Pages 87-89; 616.194, Alteration to Traffic Signals, Pages 90-92; and 616.195, Alterations to Traffic Signals, Pages 93-95.** Add the following:

Fire Preemption Interconnect System

1. **The Contractor shall design, provide and install all components required for a Fire Preemption Interconnect System between the Loudon Rd/Stickney Ave/SB Ramp controller cabinet (Locations 2 and 3, following modifications by NHDOT), and the Loudon Rd/Ft Eddy Rd/NB on-ramp controller cabinet (Locations 4 and 5, following modifications by NHDOT). Interconnect shall consist of two auxiliary 24 volt or 12 volt DC power supplies, one located in each controller cabinet. Power Supplies will be used to activate contractor-installed auxiliary relays in each interconnected controller cabinet. Controller and Phase Selector Card voltages and signals shall be controlled by the auxiliary relays located in their respective local cabinets and shall not be sent outside of the cabinet. Only auxiliary DC power supply voltages shall be transmitted between cabinets. Contractor shall provide a schematic diagram and parts list to City of Concord Fire Alarm/Traffic Supervisor for approval prior to installation.**
2. **Interconnect cable is available in existing underground conduit between controller locations. In the event that existing interconnect cable lacks sufficient conductors for the Contractor's design, the Contractor shall provide and install appropriate interconnect cable. If this is the case, installation of interconnect cable will be paid for as specified in INSTRUCTIONS TO BIDDERS, ITEM 7, EXTRA WORK (page 19).**
3. **For preemption originating at Loudon Rd/Stickney Av/SB Ramp controller cabinet (Locations 2 and 3), interconnect shall be designed and installed to accomplish the following functions:**

Phase 2 (EB) preempt shall send a preempt call to the Loudon Rd/Ft Eddy Rd/NB ramp controller cabinet phase 2 (EB) via the interconnect

Phase 4 (NB) preempt shall send a preempt call to the Loudon Rd/Ft Eddy Rd/NB ramp controller cabinet phase 2 (EB) via the interconnect

Phase 8 (SB) preempt shall send a preempt call to the Loudon Rd/Ft Eddy Rd/NB ramp controller cabinet phase 2 (EB) via the interconnect

Phase 3 (SB) preempt shall send a preempt call to the Loudon Rd/Ft Eddy Rd/NB ramp controller cabinet phase 2 (EB) via the interconnect

4. For preemption originating at Loudon Rd/Ft Eddy Rd/NB ramp Controller Cabinet:

Phase 6 (WB) preempt shall send a preempt call to the Loudon Rd/Stickney Av/SB ramp controller cabinet phase 6 (WB) via the interconnect

Phase 3 (NB) preempt shall send a preempt call to the Loudon Rd/Stickney Av/SB ramp controller cabinet phase 6 (WB) via the interconnect

Phase 4 (SB) preempt shall send a preempt call to the Loudon Rd/Stickney Av/SB ramp controller cabinet phase 6 (WB) via the interconnect

5. SPECIAL PROVISION for Item 616.195, Section 2.1.3, List of Major Materials, Page 94. Delete the following item:

1 – One Way, 4 section, 12" adjustable bracket mounted LED signal modules, red ball, yellow ball, green ball and bimodal yellow/green right-turn arrow, with tunnel visors and 5" louvered back plate, painted yellow, Dialight, GELcore brand or approved equal.

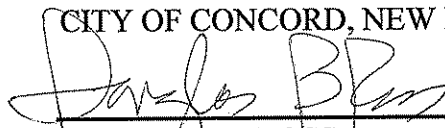
Explanation:

The plan for this intersection will be modified to allow continued use of the existing 3-section right-turn arrow signal head on the northwest corner to control the Loudon Road westbound right-turn lane into Ft Eddy Road. Operation of this existing right-turn signal head will be as follows:

1. Without pedestrian actuation of Phase 6, the signal head will operate as Overlap E (Phase 4 + Phase 6), indicating a green right arrow with either Phase 6 (Loudon Road westbound through) or Phase 4 (Ft. Eddy Road southbound).
2. With pedestrian actuation of Phase 6, the signal head will display a red right arrow for the duration of the pedestrian WALK and DON'T WALK interval. At this same time, the NO RIGHT TURN blankout sign will be illuminated.

6. **PRE-BID MEETING SIGN-IN SHEET.** The sign-in sheet from the non-mandatory pre-bid meeting held on March 24, 2009 at 10:00 am is attached for your review and records.

PLEASE BE ADVISED THAT THE CONTRACTOR MUST ACKNOWLEDGE RECEIPT OF ADDENDUM ONE ON THE BID SHEET SIGNATURE PAGE.

CITY OF CONCORD, NEW HAMPSHIRE


DOUGLAS B. ROSS
PURCHASING MANAGER

CITY OF CONCORD
PURCHASING DIVISION
NON-MANDATORY PRE-BID SIGN-IN SHEET
TRAFFIC SIGNAL AND SIDEWALK IMPROVEMENTS
BID NO. B44-09 DATE: 3/24/09 TIME: 10:00 AM

ATTENDEES

PRINTED NAME	COMPANY NAME (Representing)	TELEPHONE #	FAX #	E-MAIL
1. DAVE ROSS	CITY OF CONCORD - PURCHASING	603-225-8530	603-230-3656	dross@concord.com
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4. Rob Mack	City of Concord - Engineering Services	603-225-8520		rmack@concord.com
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6. Rick Wollert	CITY OF CONCORD	603 396 5096		RWOLLERT@CONCORD.COM
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