



PAT McCRORY
Governor

NICHOLAS J. TENNYSON
Secretary

November 10, 2016

SUBJECT: PRE-BID MEETING MINUTES/ADDENDUM 1 FOR DE00180 – B-5940,
46485.3.1, Rehabilitate Bridges #84 and #91 on Glenwood Ave. (US 70) over
Crabtree Creek in Wake County

MEMORANDUM TO PROSPECTIVE BIDDERS AND MEETING ATTENDEES

A **mandatory** Pre-Bid Conference was held at 3:00 p.m. on Wednesday, November 9, 2016 at the Division Five Office, 2612 N. Duke Street, Durham N.C. 27704. The sign in sheet is attached showing people in attendance.

The meeting opened with introductions. Alan Shapiro asked Tracy Roberts to discuss the noise provisions/plan including the 3rd party monitoring. Alan requested that 3rd party monitoring staff be on-site at the beginning of each new operation to ensure that the Contractor is not working over the thresholds for an entire shift without the Department being aware.

The Contractor's attention was directed to the Noise Control Plan. There are four deliverables that have to be approved in writing before work can start.

The Contractors expressed concern about the actual locations of the noise level monitoring sites. Depending on the types and numbers of equipment operating, the levels could potentially exceed allowable. A better understanding of the locations of the monitoring sites and/or actual locations of those sites from the work area would be beneficial during the bidding process. The Department provided a Figure 1 (attached) which had rough locations of the measurement sites at the right of way (green dots). The Department is also working on a plot with additional measurements that will be provided to all meeting attendees early next week. The use of the word "residential" in the Equipment Noise Certification provisions includes the apartment and hotel businesses that are included in the project vicinity.

The TMP was discussed in general terms. The TMP is set up for individual lanes and does not have the typical order of operations built into the plan. This was done to allow the Contractor flexibility in order of operations. It may also allow some accommodations to be made with local businesses as far as what areas are best worked on at certain nights. This would depend on any feedback received at the public meeting to discuss noise with stakeholders.

Concern was raised about the asphalt approaches and tie-in elevations. After the meeting the Department discussed this item in more detail. The 1 ¼" and ¼" dimensions shown on Sheet S-5 of the plans are MINIMUM dimensions. The intent of the Project Special Provision is to remove the existing overlay and portion of the existing reinforced concrete that is unsound as determined by the removal of the calibrated Hydro Demolition equipment to a depth that occurs based on the minimum nozzle tip pressure of 17,000 PSI. The latex modified concrete will be placed back to existing grade (depth to match what is removed). The latex modified concrete for this project is being paid for in cubic yards to provide compensation for potential variations in depth.



The Department decided to include milling, asphalt and inductive loop pay items to cover replacement of the asphalt paving on each end of the bridge as part of this project. Please see revised bid sheets (attached).

There is a greenway trail that runs underneath both bridges. The Contractor needs to be prepared to control pedestrian traffic on the greenway during overhead demo. Please see the "Notes" on TMP-3 pertaining to the use of flaggers under the bridge to protect pedestrians from overhead construction.

Protection of Crabtree Creek was also discussed. Under deck containment plans, detailing how waste, debris and wastewater are contained are required as per the specifications (BP-7).

Special attention was drawn to surface cleaning on BP-8. Prior to pouring the Contractor shall vacuum the deck to prevent bonding issues. All slurry shall be removed from the deck to prevent future delamination problems.

The Department stressed that coordination and communication are going to be critical to this project because of the business partners located in the project vicinity. Law enforcement, as per the specifications and plans, will be required to increase driver awareness.

In addition, the Department would like to note:

Structures special provision, Sheet BP-7 gives the option of using Class AA high early structural concrete or latex modified concrete for full depth repair. The reference to Class AA concrete should be removed and very early latex modified concrete shall be used if full depth repair is required.

Existing ambient noise readings have been provided by the Department. The readings were not taken at the right of way line. The map and readings from this study are attached for bidders informational purposes.

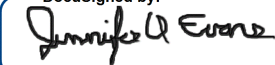
BP-9, Managing Hydro-Demolition Water, requires a slurry management plan. Land wasting is not an option for this project.

Location of construction joints shall not fall within the wheel path. Place construction joints at the centerline or adjacent to striping locations.

Please note that a new bid sheet and .ebs amendment file have been provided with the additional items added. Please strike through the original bid sheets provided in the proposal and use the revision for bidding. This information will also be posted electronically on our website. If you are submitting a paper bid please indicate receipt and acknowledgment of this document by signing receipt of Addendum #1 on the ADDENDUM(S) form. This form is found toward the back of the bid proposal.

If you have additional questions prior to bid opening, feel free to call me at (919) 220-4600.

Sincerely,

DocuSigned by:

DC37CF11AF7C4B3...
Jennifer A. Evans, PE
Division Proposals Engineer

Sign Up Sheet for Prebid Meeting Project B-5940 Date 11/9/2016

Name	Representing	Email Address
Jennifer Evans	NCDOT	jennifer.evans@ncdot.gov
ALAN SHAPIRO	NCDOT	awshapiro@ncdot.gov
Lyle Moore	IVS Hydro	lyle.moore@ivsgroup.com
Tom Buono	Heartland Concrete	tom.buono@heartlandconcrete.us
Chris Britton	Buckeye Bridge	cbritton@buckeyebriidge.com
Michael R. Mitchell	Lanford Brothers Co. Inc	mmitchell@lanfordbrs.com
Reese Briley	NCDOT	rbriley@ncdot.gov
James Steffy	Cleco Corp.	jsteffy@cleco.com
RHONDA EARLY	HNTB	rearly@hntb.com
Helen Shyu	HNTB	hshyu@hntb.com
April Hecht	American Contracting & Services	ahecht@hughesgrp.com
CHAD HINNANT	NCDOT DIV 5 CONSTR.	chinnant@ncdot.gov
Chandler Sparrow	NCDOT DIV 5 Construction	csparrow1@ncdot.gov
Tracy Roberts	NCDOT Traffic Noise & Air Quality Group	troberts1@ncdot.gov

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000950000-E	SP	GENERIC MISCELLANEOUS ITEM (ACOUSTICAL BARRIER ENCLOSURE)	400 SF		
0003	0000950000-E	SP	GENERIC MISCELLANEOUS ITEM (NOISE CONTROL CURTAIN)	550 SF		
0004	0000950000-E	SP	GENERIC MISCELLANEOUS ITEM (TEMPORARY NOISE BARRIER)	550 SF		
0005	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	328 SF		
0006	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	720 SF		
0007	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	132 SF		
0008	4415000000-N	1115	FLASHING ARROW BOARD	3 EA		
0009	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	2 EA		
0010	4430000000-N	1130	DRUMS	275 EA		
0011	4445000000-E	1145	BARRICADES (TYPE III)	130 LF		
0012	4450000000-N	1150	FLAGGER	450 HR		
0013	4480000000-N	1165	TMA	2 EA		
0014	4510000000-N	SP	LAW ENFORCEMENT	240 HR		
0015	4770000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)	2,588 LF		
0016	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	3,300 LF		
0017	4900000000-N	1251	PERMANENT RAISED PAVEMENT MARKERS	74 EA		
0018	5255000000-N	1413	PORTABLE LIGHTING	Lump Sum	L.S.	

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0019	6000000000-E	1605	TEMPORARY SILT FENCE	80 LF		
0020	6132000000-N	SP	GENERIC EROSION CONTROL ITEM (CONCRETE WASHOUT STRUCTURE)	2 EA		
0021	8161000000-E	420	GROOVING BRIDGE FLOORS	24,334 SF		
0022	8559000000-E	SP	CLASS II, SURFACE PREPARATION	8 SY		
0023	8566000000-E	SP	CLASS III, SURFACE PREPARATION	8 SY		
0024	8860000000-N	SP	GENERIC STRUCTURE ITEM (FOAM JOINT SEALS)	Lump Sum	L.S.	
0025	8860000000-N	SP	GENERIC STRUCTURE ITEM (VOLUMETRIC MIXER)	Lump Sum	L.S.	
0026	8881000000-E	SP	GENERIC STRUCTURE ITEM (LATEX MODIFIED CONCRETE OVERLAY - VES)	140 CY		
0027	8882000000-E	SP	GENERIC STRUCTURE ITEM (CONCRETE FOR DECK REPAIR)	103 CF		
0028	8882000000-E	SP	GENERIC STRUCTURE ITEM (ELASTOMERIC CONCRETE)	103 CF		
0029	8892000000-E	SP	GENERIC STRUCTURE ITEM (BRIDGE JOINT DEMOLITION)	413 SF		
0030	8893000000-E	SP	GENERIC STRUCTURE ITEM (HYDRO-DEMOLITION OF BRIDGE DECK)	2,855 SY		
0031	8893000000-E	SP	GENERIC STRUCTURE ITEM (PLACING & FINISHING OF LATEX MODIFIED CONCRETE OVERLAY - VES)	2,855 SY		
0032	8893000000-E	SP	GENERIC STRUCTURE ITEM (SCARIFYING BRIDGE DECK)	2,855 SY		
0033	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (1.5")	1,333 SY		
0034	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	123 TON		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0035	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	9		
				TON		
0036	7444000000-E	1725	INDUCTIVE LOOP SAWCUT	250		
				LF		

1423/Nov10/Q45219.0/D193295950000/E36

Total Amount Of Bid For Entire Project :
