



PAT McCRORY
Governor


NICHOLAS J. TENNYSON
Secretary

March 16, 2016

Memorandum To: Potential Bidders and Meeting Attendees

From: Michael Kneis, P.E., Division Project Manager

Subject: ADDENDUM 2/Pre-Bid Meeting Minutes, DE00160, R-2635C, On-Site Mitigation along NC 540, Western Wake Freeway in Wake County, WBS Element: 35520.5.TA1

DocuSigned by:

5CDD3BA8BDE94C1...

A mandatory pre-bid meeting was held at the Resident Engineer's Office at 9:00 am on Wednesday, March 16, 2016. The sign in sheet is attached showing people in attendance.

The meeting was opened the meeting with introductions and a review of the proposal. Special attention was drawn to the following items:

This project will be accessed by the toll facility. The Contractor will be directly responsible for the toll costs incurred while performing the work on this project as per the proposal. Attention was drawn to the Toll Traffic Coordination provision on page 29 of the proposal. Proper notification is required by the Toll Authority and is for the safety of both the travelling public and the Contractor.

This site is a permitted site that has been monitored for several years. The project is addressing some concerns and then the site will continue to be monitored. The permit for the turnpike covers this work and the Department has a copy of this permit. The permit will be in hand during construction. Chris Murray noted that permit compliance will require reclamation of any sediment lost and notification within 24 hours of the loss due to a rain event.

The Contractors' attention was drawn to Sheet OSM-2C of the plans. Some information was omitted from the Channel Block Detail. Note 3 should read "Bottom of block should be a minimum of 1' below the invert of the existing channel." Note 4 should read "Block should extend a minimum of 10' beyond the limits of the existing stream channel."

The Contractors need to be aware of gas lines on-site. The gas company has stated the lines are deep but the Department has not located them. The winning Contractor will be responsible for locating existing underground utilities as per the proposal and standard specifications.

Work will not be allowed in live water, requiring the Contractor to pump around. Any impervious dikes constructed for the project shall be made of appropriate material and removed upon completion as per the proposal.

The location of the haul road was discussed. The haul road was depicted generally on the plans. The winning Contractor should construct their haul road to best suit their needs. The Department does ask that the Contractor minimize impact to existing vegetation as much as possible. Erosion control shall be required for the haul road and the haul road and access point shall be maintained



to keep the highway free of dirt and debris. The winning bidder shall coordinate details of the access point and haul road with the Engineer.

Jake Byers, the designer, verified that the earthwork summary has taken into account the undercut required for the placement of topsoil covering and topsoil placed in the soil lifts. The Contractor will be responsible for locating their own source for the imported topsoil. The winning bidder shall coordinate with the Engineer for lab testing for this material. The topsoil placement on this project is necessary to replace poor soils on site (Triassic basin). He also pointed out that the typicals on Sheet OSM-2A correspond with the proposed bench limits/slope stake line shown on the plan sheets (OSM-4 and OSM-5).

A question had been previously raised about the quantity and means of measurement for the coir fiber matting. Jake Byers stated he needed to look at this more closely. **It has been determined that there was an error in the quantity for *Coir Fiber Mat* and the means of measurement needs to be clarified. Since the coir fiber mat is being wrapped in areas of the geolifts, surface area measurement, as stated in the contract may not be the appropriate way to measure this item on this project. On page 40 of the Project Special Provisions, Coir Fiber Mat, Measurement and Payment, please change that paragraph to the following:**

Coir Fiber Mat will be measured and paid for as the actual number of square yards placed and accepted on the project measured by the length and width.

Please note that a new bid sheet and ebs amendment file have been provided with the revised quantity. Please strike through the original bid sheets provided in the proposal and use the revision for bidding.

This project will be high profile for erosion control and the Contractor will be expected to meet the expectations of the proposal. Inspectors for the Department will be on-site. Alan Shapiro pointed out General Note #10 on page OSM-1A in the plans, which states that all newly excavated stream banks will be stabilized at the end of each workday. Any changes made to EC plans will need to be noted and red line plans will need to be on-site. Chris Murray stated that issues can be worked through but that the right people will need to be notified and on-site in order to make the proper decisions required to move forward. The Contractor will be required to follow the Erosion and Sediment Control/Stormwater Certification provision found within the proposal and that forms and inspections will need to be performed as per those requirements.

The Department noted that no reforestation was included within this project because of seasonal limitation. Live plantings (juncus plugs) will be placed in the geolifts. Live stakes will be handled by the Department at a later date.

The lack of tags on native seed was discussed. The Department asked that the winning Contractor run the seed mix through the Engineer's office for approval before any on-site use.

Jason Elliot encouraged bidders to visit the site. Mixing stone on-site was brought up by the Contractors. It was the opinion of the Department that there would be room at the site to perform this operation. Jason noted that items like boulders are graphically represented on the plans and that the number of boulders showing on the plans are not indicative of the actual quantity.

Alan Shapiro informed the group that he will be administering the project and that all correspondence after award should go through his office. He spoke about traffic control requirements on the project specific to lane and shoulder closures and hauling operations. **It has been determined that the Departments expectations regarding traffic control need to be clarified. Please add the following special provision to the proposal:**

Temporary Traffic Control

The Contractor shall be responsible for providing temporary traffic control per Section 1105 of the Standard Specifications. The following general notes apply at all times for the duration of the construction project, except when otherwise directed by the Engineer.

When personnel and/or equipment are working within 15 ft of an open travel lane, close the nearest open shoulder using Roadway Standard Drawing No. 1101.04 unless the work area is protected by barrier or guardrail or a lane closure is installed.

When personnel and/or equipment are working on the shoulder adjacent to an undivided facility and within 5 ft of an open travel lane, close the nearest open travel lane using Roadway Standard Drawing No. 1101.02 unless the work area is protected by barrier or guardrail.

When personnel and/or equipment are working on the shoulder adjacent to a divided facility and within 10 ft of an open travel lane, close the nearest open travel lane using Roadway Standard Drawing No. 1101.02 unless the work area is protected by barrier or guardrail.

When personnel and/or equipment are working within a lane of travel of an undivided or divided facility, close the lane according to the roadway standard drawings, or as directed by the Engineer. Conduct the work so that all personnel and/or equipment remain within the closed travel lane.

Haul vehicles shall not enter and/or exit an open travel lane at speeds more than 10 mph below the posted speed limit.

Install advance work zone signs when work is within 40 ft from the edge of travel lane and no more than (3) days prior to the beginning of construction.

Temporary traffic control work, including, but not limited to installation and removal of portable signs, advance work zone signs, cones, drums, skinny drums, flaggers, AFAD's, changeable message boards, truck mounted attenuators, flashing arrow boards, and pilot vehicles will be paid at the contract lump sum price for *Temporary Traffic Control*.

Payment will be made under:

Pay Item	Pay Unit
Temporary Traffic Control	Lump Sum

Please note that there is controlled access fencing on-site that may need to be temporarily removed/reset and/or reinstalled for the haul road. There will be no direct payment for this and it will be considered incidental to pay items in the contract.

Please acknowledge receipt of this addendum (Addendum #2) in the proposal.

If you wish to use Expedite Entry in helping you prepare your bids, please note that an amendment file has been provided for your use in addition to the original EBS file.

For any additional questions prior to bid opening, contact Jennifer Evans at (919)220-4600. Any responses to questions will be emailed to all prospective bidders.

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000900000-N	SP	GENERIC MISCELLANEOUS ITEM (CONSTRUCTION SURVEYING FOR MITIGATION)	Lump Sum	L.S.	
0003	0234000000-E	SP	GENERIC GRADING ITEM (IMPERVIOUS SELECT MATERIAL)	200 CY		
0004	0241000000-E	SP	GENERIC GRADING ITEM (GEOTEXTILE FOR DRAINAGE, TYPE 2)	550 SY		
0005	0248000000-N	SP	GENERIC GRADING ITEM (SITE GRADING FOR MITIGATION)	Lump Sum	L.S.	
0006	0255000000-E	SP	GENERIC GRADING ITEM (#57 STONE)	55 TON		
0007	0255000000-E	SP	GENERIC GRADING ITEM (BOULDERS)	65 TON		
0008	0255000000-E	SP	GENERIC GRADING ITEM (RIP RAP, CLASS A)	155 TON		
0009	0255000000-E	SP	GENERIC GRADING ITEM (RIP RAP, CLASS B)	85 TON		
0010	0255000000-E	SP	GENERIC GRADING ITEM (RIP RAP, CLASS I)	180 TON		
0011	4399000000-N	1105	TEMPORARY TRAFFIC CONTROL	Lump Sum	L.S.	
0012	6000000000-E	1605	TEMPORARY SILT FENCE	1,800 LF		
0013	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	30 TON		
0014	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	21 TON		
0015	6012000000-E	1610	SEDIMENT CONTROL STONE	94 TON		
0016	6015000000-E	1615	TEMPORARY MULCHING	2 ACR		
0017	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	200 LB		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEED- ING	1 TON		
0019	6024000000-E	1622	TEMPORARY SLOPE DRAINS	100 LF		
0020	6029000000-E	SP	SAFETY FENCE	200 LF		
0021	6030000000-E	1630	SILT EXCAVATION	40 CY		
0022	6036000000-E	1631	MATTING FOR EROSION CONTROL	50 SY		
0023	6037000000-E	SP	COIR FIBER MAT	1,250 SY		
0024	6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT	25 SY		
0025	6042000000-E	1632	1/4" HARDWARE CLOTH	50 LF		
0026	6070000000-N	1639	SPECIAL STILLING BASINS	5 EA		
0027	6071010000-E	SP	WATTLE	50 LF		
0028	6084000000-E	1660	SEEDING & MULCHING	3 ACR		
0029	6087000000-E	1660	MOWING	3 ACR		
0030	6090000000-E	1661	SEED FOR REPAIR SEEDING	50 LB		
0031	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON		
0032	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	75 LB		
0033	6108000000-E	1665	FERTILIZER TOPDRESSING	1.75 TON		
0034	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0035	6132000000-N	SP	GENERIC EROSION CONTROL ITEM (SOFT RUSH PLUG)	525 EA		
0036	6132000000-N	SP	GENERIC EROSION CONTROL ITEM (TEMPORARY STREAM CROSSING)	1 EA		
0037	6133000000-N	SP	GENERIC EROSION CONTROL ITEM (DIVERSION PUMPING)	Lump Sum	L.S.	

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0038	6133000000-N	SP	GENERIC EROSION CONTROL ITEM (LIVE CUTTINGS)	Lump Sum	L.S.	

0039	6138000000-E	SP	GENERIC EROSION CONTROL ITEM (IMPORTED TOPSOIL)	500 CY		

1407/Mar17/Q6383.0/D176196510000/E39			Total Amount Of Bid For Entire Project :			

Sign Up Sheet for Prebid Meeting Project R-2635C Date 3/16/2016

Name	Representing	Email Address
Jennifer Evans	NCDOT	jenniferevans@ncdot.gov
Keith Weekley	River Works	Keith.Weekley@riverwork.com
DOUG SMITH	BACKWATER	smith@backwater.biz
Michael Anderson	North Side Env	m.anderson@nsew.com
CHARLES HILL	Land Mechanic Design	LMDNC@outlook.com
Jake Byers	Michael Baker	jbyers@mbakerintl.com
JASON ELLIOTT	NCDOT-NES	jelliott@ncdot.gov
RANDY GRIFFIN	NCDOT-NES	rgriffin@ncdot.gov
ALAN SHAPIRO	NCDOT-DIV5	awshapiro@ncdot.gov
Chris Murray	DOT Div 5	cmurray@ncdot.gov
Wayne Tylor	Carolina Environmental Contracting	waynet@carolinaenvironmentalcontracting.com