



# HUNTSVILLE

Shane Cook, P.E.  
Director

## Water Pollution Control

### **BOB WALLACE FORCEMAIN RELOCATION – DIRECTIONAL DRILLING**

**Project No. 71-16-SM02**

**September 26, 2016**

#### **Addendum #1**

**Addenda will only be emailed to those bidders who attend and have signed in at the pre-bid meeting. All addenda, as well as other project information, are available for downloading on Engineering's website at:**

<http://www.huntsvilleal.gov/business/doing-business-in-huntsville/bid-a-project/rfp/>

**Acknowledgement of receipt/download from website of addenda is mandatory using Attachment "C" located in the Specifications and attachment must be submitted with bid package. Failure to do so shall be cause for rejection of the bid. It is the responsibility of all bidders to refer to the website for any updates. The attached pre-bid meeting minutes, all addenda and attachments for the above-referenced project will become part of the contract documents.**

- Attachments:**
- 1. Engineer Certified Addendum No 1**
  - 2. Attachment A – Revised Bid Quantities**
  - 3. Questions and Answers No 1**
  - 4. Mandatory Pre-Bid Meeting Sign-In**
  - 5. Mandatory Pre-Bid Meeting Minutes**

**END OF ADDENDUM #1**

## The Star of Alabama



5125A Research Drive  
Huntsville, AL 35805

TEL 256.534.5512  
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www.GarverUSA.com

# ADDENDUM NO. 1

**Date:** September 26th, 2016

**Project Name:** Bob Wallace Forcemain Relocation – Directional Drilling

**Garver Project No.:** 15058160

**City of Huntsville Project No.:** 71-16-SM02

This addendum shall be a part of the Plans, Contract Documents and Specifications to the same extent as though it were originally included therein, and it shall supersede anything contained in the Plans, Contract Documents, and Specifications with which it might conflict. This Addendum No. 1, including all attachments shall become part of the Contract and all provisions of the Contract shall apply thereto. **The time provided for completion of the Contract has not been changed.** Acknowledgement of receipt of this Addendum must be noted in the appropriate section of the Bid Form and included with the Contract Documents.

**A. SPECIFICATIONS**

1. Remove the following specification sections in their entirety and replace with the same attached hereto:
  - a. ATTACHMENT A – BID QUANTITIES

**B. DRAWINGS**

1. Revise C-105 as follows:
  - a. At this location, **20"** HDPE piping shall be installed and not 24" as indicated on the drawing. Revise all callouts and notes within the specifications as necessary. Pipe sizes indicated at remaining locations will remain the same (24"). The minimum bending radius (vertical and horizontal) for 20" DR11 HDPE pipe is 90-ft. (with a safety factor of 2.0).

**B. OTHER PROJECT INFORMATION (Non-Contract Documents)**

1. Questions and Answers No. 1 are attached and have been made available on the City of Huntsville website.

By: 

Wes Cardwell, P.E.  
Project Manager

**Attachments:**

1. Specifications
  - i. ATTACHMENT A – BID QUANTITIES
2. Drawings
  - a. None
3. Questions and Answers No. 1



Digitally Signed 09/26/2016

END OF ADDENDUM NO.1

**ATTACHMENT "A1"**

9/26/2016

**BOB WALLACE FORCEMAIN RELOCATION -  
DIRECTIONAL DRILLING**

**Client Project No. 71-16-SM02**

**UNIT BID SHEET**

<b>ITEM NO.</b>	<b>DESCRIPTION</b>	<b>BID QTY</b>	<b>BID UNIT</b>	<b>BID UNIT PRICE</b>	<b>BID AMOUNT</b>
1	Mobilization, Bonds, Insurance, including clearing and grubbing and traffic control at all locations	1	LS		\$0.00
2	Horizontal Directional Drilling and pull back of 24" DR11 HDPE Pipe per the plans and specifications at the <u>Spring Branch Creek</u> location	1	LS		\$0.00
3	Horizontal Directional Drilling and pull back of 24" DR11 HDPE Pipe per the plans and specifications at the <u>Triana Boulevard</u> location	1	LS		\$0.00
4	Horizontal Directional Drilling and pull back of 24" DR11 HDPE Pipe per the plans and specifications at the <u>Patton Road</u> location	1	LS		\$0.00
5	Horizontal Directional Drilling and pull back of 24" DR11 HDPE Pipe per the plans and specifications at the <u>Drake Ave./Goss Rd.</u> location	1	LS		\$0.00
6	Horizontal Directional Drilling and pull back of 24" DR11 HDPE Pipe per the plans and specifications at the <u>Sportsplex</u> location	1	LS		\$0.00
7	Site restoration at all locations	1	LS		\$0.00

	<b>ATTACHMENT "A1"</b>				<b>9/26/2016</b>
	<b>BOB WALLACE FORCEMAIN RELOCATION - DIRECTIONAL DRILLING</b>				
	<b>Client Project No. 71-16-SM02</b>				
	<b>UNIT BID SHEET</b>				
<b>8</b>	Allowance for extra work relating to miscellaneous site civil items. This item is to be used at the discretion and written authorization of City of Huntsville.	<b>1</b>	<b>LS</b>	<b>\$25,000.00</b>	<b>\$25,000.00</b>
	<b>TOTAL BASE BID</b>				<b>\$25,000.00</b>
	<b>ALL ITEMS SHALL BE CONSIDERED IN-PLACE. PRICES SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND REMOVALS AS REQUIRED FOR CONSTRUCTION OF THE REQUIRED WORK.</b>				
	<b>COMPANY</b> _____ <b>SIGNATURE</b> _____ <b>DATE</b> _____				

**QUESTIONS AND ANSWERS No. 1  
TO THE CONTRACT DOCUMENTS**

Date: September 26, 2016  
Garver Project No. 15058160  
City of Huntsville Project No.71-16-SM02

**Bob Wallace Forcemain Relocation – Directional Drilling**

**To All Plan holders and/or Prospective Bidders:**

Question No.	Specification Section	Drawing/ Detail Number	Question	Response	Addendum Information
1.	33 05 07.13	N/A	<p><b>The following questions were all asked in sequence at the mandatory pre-bid meeting and are related to the testing and contractor responsibility of the pipe.</b></p> <p>1. At the conclusion of the leak testing to be conducted by the Contractor, are the caps to remain or can they be removed and reused at the next site?</p> <p>2. After installation, testing, and removal of the caps, how are the pipes to be sealed before the site is restored?</p> <p>3. If pulling heads that may be used for leakage testing are provided to Water Pollution Control, can they be installed and used for the initial leak testing?</p> <p>4. Can the water used in the hydrostatic test be left in the pipe?</p>	<p>Please allow this description to serve as clarification for the related questions. WPC is supplying the necessary linear feet of HDPE Pipe and will fuse the pipe on site. Additionally, WPC will provide a pre-installation air test which will include all necessary caps and related fittings to complete. The contractor will have the option to see the air test if they so wish. At the time the pipe has passed the pre-installation air test, WPC will remove all testing appurtenances and turn the pipe over to the contractor. The contractor will be responsible for providing and connecting the pulling head to the furnished pipe. At the completion of the installation, the contractor will be responsible for a post-installation hydrostatic pressure test on the pipe as described in the specifications. The contractor will be responsible for providing and installing any fittings necessary on the pipe for the associated test. At the completion of the post-installation test, the contractor shall remove and testing appurtenances from the pipe. At that time, WPC will accept the work and regain ownership of the installed pipe. The water used for the pressure test shall remain inside the installed pipes. WPC requires that one hydrostatic pressure test be completed at a time and shall be done prior to the demobilization of the contractor at each site.</p>	N/A
2.	N/A	N/A	<p>Is it acceptable to use larger radii that may result in larger limits of the directional drill than indicated on the project drawings?</p>	<p>The radii to be used at each location is at the discretion of the Contractor, provided the minimum clearance requirements are maintained. The Contractor is responsible for coordinating any additional land/property that may be required outside of the existing easements indicated on the project drawings resulting from larger radii. Additionally, any modifications to the radii that increase the laying length of the drill shall only occur within the extent of the proposed forcemain alignment.</p>	N/A
3.	N/A	N/A	<p>Are there any requirements for a Traffic Lane Closure?</p>	<p>All traffic control shall be the contractor's responsibility. A traffic control plan shall be submitted to WPC 72 hours in advance for any work that will affect the normal flow of traffic associated with the work area. WPC will approve the plan and submit a press-release for the associated work.</p>	N/A

END OF QUESTIONS AND ANSWERS

# MANDATORY PRE-BID MEETING

## SIGN-IN SHEET

PROJECT NAME: Bob Wallace Forcemain Relocation-Directional Drilling

PROJECT NUMBER: 71-16-SM02

DATE: September 21, 2016

<u>NAME/COMPANY</u>	<u>PHONE</u>	<u>EMAIL</u>
Laneka S. Carter	427-5316	laneka.carter@huntsvilleal.gov
Mary Dolberry	427-5300	mary.dolberry@huntsvilleal.gov
WESS CARDWELL / GARNER	483-0584	RWCARDWELL@GARNERUSA.COM
MATTHEW REYNOLDS	883-3719	Matthew.reynolds@huntsvilleal.gov
Josh Pence		
PATRICK SANSHU	(256) 282-1573	psanshu@revconstructioninc.com
McCORD Construction	256 683-2865	april.mccord@aol.com
Darrien madison	205-339-1724	Bws Hobson construction
Ted Cote	615-788-5397	tedc@brooksexcavation.com
STAN PATTERSON Colt wpc	256-922-0708	
Betten Construction	931-260-0054	Woodard Properties@Chattanooga.net
Randall Stewart	256 883-3719	Randall.Stewart@huntsvilleal.gov
Shane Cook	883-3719	
Taylor Baker	883-3719	taylor.baker@huntsvilleal.gov

# MANDATORY PRE-BID MEETING

## AGENDA

PROJECT NAME: Bob Wallace Forcemain Relocation-Directional Drilling

PROJECT NUMBER: 71-16-SM02

DATE: September 21, 2016

PROJECT ENGINEER: Matt Reynolds

1. Sign-in Sheet Distribution
2. Project Team/Roles:
  - a. Shane Cook, WPC Director
  - b. Matt Reynolds, WPC Engineer
  - c. Anthony Priest, WPC Inspector
  - d. Wes Cardwell, Garver (Consultant)

3. Work Description:

Project includes, but is not limited to:

- Installation of new, Owner furnished, 24-inch DIPS DR-11 high density polyethylene (HDPE) force main by horizontal directional drilling.
- Horizontal drilling work will be completed at five locations.
- Three locations require drilling beneath roadways:
  - Drake Avenue (referred to as Goss Rd. on Plans)
  - Patton Road
  - Triana Boulevard
- The remaining two locations require drilling beneath:
  - Spring Branch creek
  - A small creek located near the Metro Kiwanis Sportsplex.
- The Work also includes any necessary open cut segments at bore pits, landscape restoration, road repair, traffic control, soil erosion control, and other appurtenances as needed for a complete project.

4. Project Schedule:

City of Huntsville Supplement to General Requirements, Item 41: Within thirty (30) days after award, critical path schedule is required. First pay request will not be processed until schedule is received.

5. Permits:

Any and all required permits will be the responsibility of the Contractor.

6. Existing Utilities and Notification:

Contractor is responsible for contacting all appropriate agencies before work commences to verify the type, location, protection requirements, depth of all existing utilities, and other obstructions. Contractor shall locate all buried utilities prior to construction and include on the bore plan. Owner shall be notified of any conflicts. Contractor is responsible for protection and any repair of damaged utilities. Utilities shown on the plans should be considered approximate and not all utilities may be shown.

7. Existing Easements and Temporary Access

- Existing easements are indicated on project drawings.
- Any temporary access points, laydown areas, etc. to be Contractors responsibility.

8. Bid Sheet/Delivery/Opening

- Revision to Bid Bond
  - The bidder shall be required to file with his or her bid either a cashier's check drawn on an Alabama bank or a bid bond executed by a surety company duly authorized and qualified to make such bonds in the State of Alabama, payable to the awarding authority for an amount not less than five percent of the awarding authority's estimated cost or of the contractor's bid, but in no event more than fifty thousand dollars (\$50,000).
- Review bid sheet and read out each pay item.
  - Each item should be considered as lump sum and all inclusive of any and all materials (except for the piping to be provided by WPC) required to complete the directional drill at each location.
  - No payment will be made on footage or for additional materials (drill heads, etc.) during construction or material haul-off and disposal.
- Addendum 1 will revise the bid sheet and add an allowance for extra work relating to miscellaneous site civil items.
  - Allowance may only be used at the discretion and written authorization of Owner.
- Contractor is required to submit pricing (Attachment "A") on a CD-RW (preferably in a live/flash drive format) in the Excel format made available for download from the Engineering website. The CD-RW must be in working condition and included with original bid packet and reflect the correct revision, along with two signed hard copies. Bid must be submitted from the file (Quantities) provided and downloaded from the City of Huntsville's website. Failure to do so shall be cause for rejection of bid. The City reserves the right to reject any altered bid resulting from altering the CD in any manner. If a price discrepancy is found on the CD-RW, or the correct version of bid quantities is not submitted on the CD-RW which corresponds to the

printed hard copy, then printed hard copy prices submitted with original bid documents, with Contractor signature, will prevail.

- Bids are to be opened in WPC Conference Room on September 29<sup>th</sup>, 2016

## 9. Payment

The OWNER agrees to pay the contractor as follows:

- Once each month per project the OWNER shall make partial payment to the Contractor on the basis of duly certified and approved estimates of the work performed during the preceding month by the Contractor, less five percent (5%) of the amount of such estimate, which is to be retained by the City until all of the work has been performed.
- Liquidated damages will be deducted from all invoices when the invoice estimate period end date is later than the contract completion date.
- All pay requests will be submitted by hard copy and on a CD. The hard copy will be printed from the CD. The OWNER will provide the CD to the contractor.
- Two originals and two copies of the invoices are required before payment will be made.
- The CD should be submitted each month, along with the originals and copies, to the WPC Engineer.
- No further retainage will be held after fifty percent of the contract is complete. All payments to contractor will be made as soon as practical after the approval and finance processes have been completed.

## 10. Project Details:

### a. Work Details:

- i. Bore plans are to be developed for each location and include all details as specified in 33 05 07.13.
- ii. Once bore plan is approved, Owner will provide pipe (length as indicated in the bore plan). Prior to delivery, pipe will be leak tested, either hydrostatically or pneumatically. Contractor will have the option of observing testing. Upon successful testing, pipe will be turned over to Contractor and it will be His responsibility for the duration of the project. Pipe will be delivered to each site by Owner.
- iii. After pullback, Contractor is to seal both ends of the pipe and conduct a hydrostatic test. A test pressure of 150 psi must be maintained for a minimum of 2 hours. Contractor shall notify Owner 48 hours prior to test. Test must be conducted in presence of Owner personnel. Contractor is responsible for all testing equipment and water.
- iv. After successful testing, Contractor shall demobilize equipment and restore the work site to the original conditions.
- v. Bore plan shall be updated with any deviations and provided to the Owner for record documentation.
- vi. Safety is the responsibility of the Contractor including health and safety of subcontractors, suppliers, and other persons on the jobsite.

### b. Sequence:

- i. Metro Kiwanis Sportsplex

- ii. Spring Branch Creek
  - iii. Triana Blvd.
  - iv. Patton Rd.
  - v. Goss Rd./Drake
- c. Plans
  - i. Plans/profiles provided for each directional drill location.
  - ii. Utilities shown (horizontal and vertical) should be considered approximate and may or may not be all inclusive.
  - iii. Contractor shall locate all buried utilities prior to construction and include on the bore plan.
- d. Specifications
  - i. Division 1 provides requirements for temporary facilities, photographic documentation, and other miscellaneous project requirements.
- e. Geotechnical Report
  - i. A geotechnical investigation was conducted at all locations except the small creek near the Metro Kiwanis Sportsplex.
  - ii. This report is provided only for the Contractor's convenience and is not part of the Contract Documents.
- f. Schedule
  - i. Anticipated Council Meeting: October 13, 2016
  - ii. Anticipated Notice to Proceed: between October 14 – October 28
  - iii. Work shall be completed and ready for final payment within 105 calendar days after the date of the notice to proceed.
  - iv. Allowable weather delays are detailed in COH Supplement to General Requirements, Section 4.D.
  - v. Liquidated damages are detailed in COH Supplement to General Requirements, Section 18.

#### 11. Contractor Requirements:

- Contractor shall possess a State of Alabama Classification of Municipal and Utilities Contractor (MU)
- Attachment E is to include at least five (5) references to demonstrate Contractors ability on similar projects.
- No work by a subcontractor will be permitted unless approved by contract or in writing. Attachment "D" – "Subcontractor's Listing" in the Supplement to General Requirements for Construction of Public Improvements, City of Huntsville, Alabama has been revised and bidders are advised to pay special attention to the text and instructions listed on the attachment. Contractor shall keep the "Subcontractor's Listing" updated throughout the project duration and submit a copy of the listing with the request for final payment. Noncompliance with this request may cause delay in payment to the Contractor.
- Anyone working for the Contractor, whether equipment and/or personnel, which are not the Prime Contractors and are not covered by subcontract, then it shall be understood that the Prime Contractor will be required to furnish a rental agreement for the equipment and carry personnel performing such work on his/her labor payroll.

12. Submittals:

All submittals to be submitted to WPC Engineer.

13. Traffic Control:

Contractor is responsible for traffic control at each location as necessary. This is to be included in the price for each location and will not be paid for separately.

14. Questions?

All questions will be answered and all clarifications made by addendum. **All addenda are sent via email to those bidders who attend and have signed in at the pre-bid meeting. Although a response to the email is optional, it is mandatory that the bidders acknowledge the receipt of each addendum, whether received via email or by downloading from the Engineering Department's website, on Attachment "C" included in the Specifications.** Acknowledgement of receipt of addenda is **mandatory** using Attachment "C" and must be submitted with bid package. Failure to do so shall be cause for rejection of the bid.

Last day for questions concerning this project before the bid will be **September 23, 2016 until 5:00 p.m.** Questions are to be emailed to [matthew.reynolds@huntsvilleal.gov](mailto:matthew.reynolds@huntsvilleal.gov) and carbon copy [RWCcardwell@GarverUSA.com](mailto:RWCcardwell@GarverUSA.com)

Response to contractor questions will be **September 26, 2016 until 5:00 p.m.**

**Bids open: September 29, 2016 at 2:00 p.m.** in the **Water Pollution Control Conference Room**, 1800 Vermont Road, Huntsville, AL. All bids must be **SEALED** before submittal at the bid opening. Any bids received that are not sealed will be immediately rejected.

The pre-bid notes and all addenda shall become a part of the contract documents.