



Fulton County, GA

Department of Purchasing & Contract Compliance

March 21, 2013

Re: **#13ITB87122K-DB**
Cascade Road Culvert Replacement Project T246

Dear Vendors:

Attached is one (1) copy of Addendum 5, hereby made a part of the above referenced **#13ITB87122K-DB; Cascade Road Culvert Replacement Project T246.**

Except as provided herein, all terms and conditions in the ITB referenced above remain unchanged and in full force and effect.

Sincerely,

Darlene A. Banks, APA

Winner 2000 - 2009 Achievement of Excellence in
Procurement Award • National Purchasing Institute



#13ITB87122K-DB; Cascade Road Culvert Replacement Project T246
Addendum No. 5
Page Two

This Addendum forms a part of the contract documents and **modifies** the original ITB documents as noted below:

Attached: Geotechnical Report

Note: The County is **not** accepting any more questions concerning this solicitation.

ACKNOWLEDGEMENT OF ADDENDUM NO. 5

The undersigned bidder acknowledges receipt of this addendum by returning one (1) copy of this form with the proposal package to the Department of Purchasing & Contract Compliance, Fulton County Public Safety Building, 130 Peachtree Street, Suite 1168, Atlanta, Georgia 30303 by the ITB due date and time **Monday, March 25, 2013, 11:00 A.M.**

This is to acknowledge receipt of Addendum No. 5, _____ day of _____, 20__.

Legal Name of Bidder

Signature of Authorized Representative

Title

Ranger Consulting, Inc.

Geotechnical, Environmental, Drilling, Construction

3147 Martha Berry Highway, Rome, Georgia 30165; Phone: 706-290-1782; Fax: 706-290-1701

July 22, 2010

Mr. Garrick L. Edwards, P.E.
Principal Project Manager
Hatch Mott MacDonald
2550 Heritage Court, SE, Suite 250
Atlanta, Georgia 30339-3062

RE: Foundation Investigation Report
Culvert Replacement Project
Cascade Road
Fulton County, Georgia

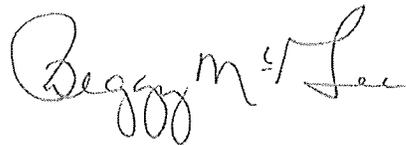
Dear Mr. Edwards:

Ranger Consulting, Inc. is pleased to submit the enclosed foundation investigation report for the subject site. This report, which is based on information supplied to Ranger, has been prepared in the format utilized by the Georgia Department of Transportation and presents recommendations for an arch span culvert to replace the existing culvert.

We have provided spread footing and "H" pile options to support the structure. The spread footings are located on firm soils five feet below the streamline and below any alluvial soils. While no scour data was provided, this would be the minimum embedment to avoid undermining by scour.

Ranger Consulting appreciates the opportunity to provide you with this report. If you have any questions or comments, please call Warren Bailey at (678) 986-4211.

Sincerely,



Peggy McGee
President

Enclosure

BRIDGE FOUNDATION INVESTIGATION

PROJECT Culvert Replacement on Cascade Road
Fulton County

GENERAL INFORMATION

GEOLOGIC FORMATION Porphyritic Granite Formation of the Georgia Piedmont Region.

SUBSURFACE FEATURES Loose to very dense soils overlying deeper rock. Alluvial soils to approximately 21 feet below the ground surface.

MAXIMUM PILE DESIGN LOADS

END BEARING =	90 %	HP 10 X 42 =	55 Tons
FRICITION =	10 %	HP 12 X 53 =	70 Tons
		HP 14 X 73 =	96 Tons

FOUNDATION RECOMMENDATIONS

<u>BENTS</u>	<u>DRILLED SHAFT (BEARING)</u>	<u>SPREAD FTG (BEARING)</u>	<u>PILE FOOTING (PILE TYPE)</u>	<u>PILE BENT (PILE TYPE)</u>
1 and 2 1 and 2 (Alternate)		4 ksf on medium dense soil	"H"	
ELEVATIONS				
<u>BENTS</u>	<u>BOTTOM OF DRILLED SHAFT</u>	<u>BOTTOM OF FOOTING</u>	<u>MINIMUM TIP</u>	<u>ESTIMATED TIP</u>
1 and 2 1 and 2 (Alternate)		At or below 768	755	732 to 745

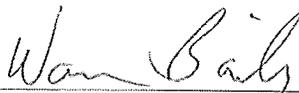
NOTES

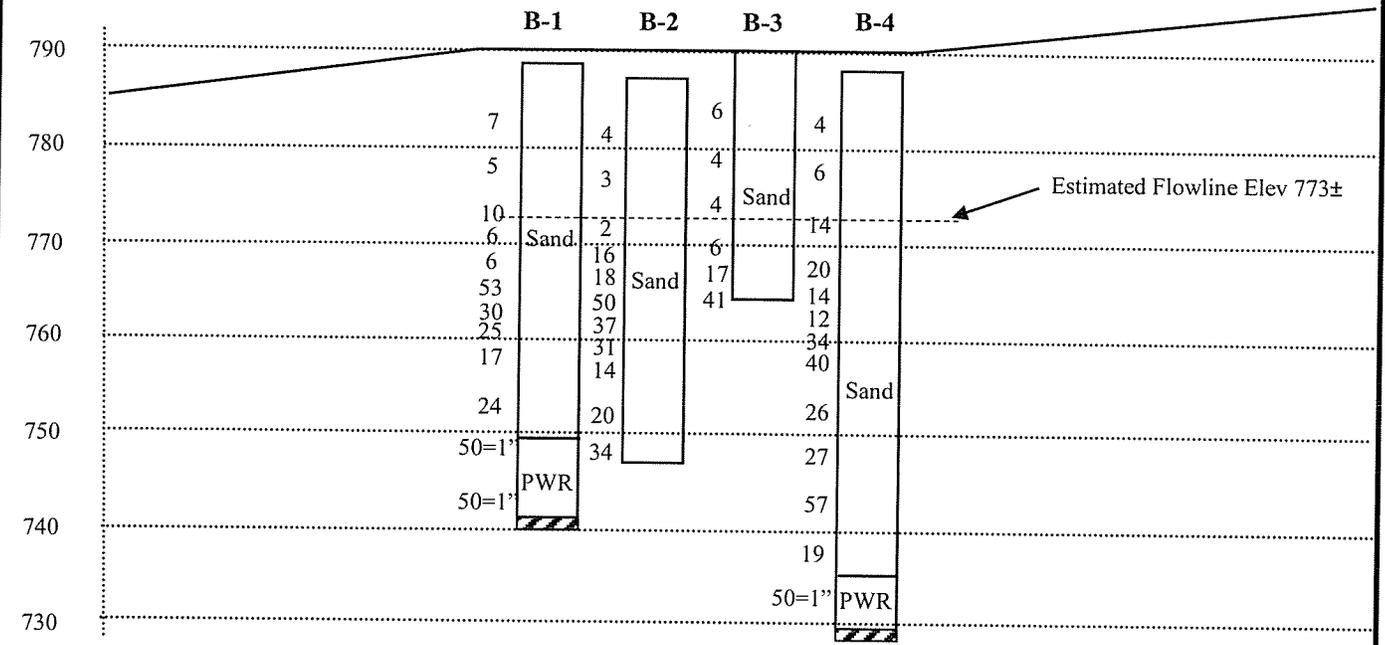
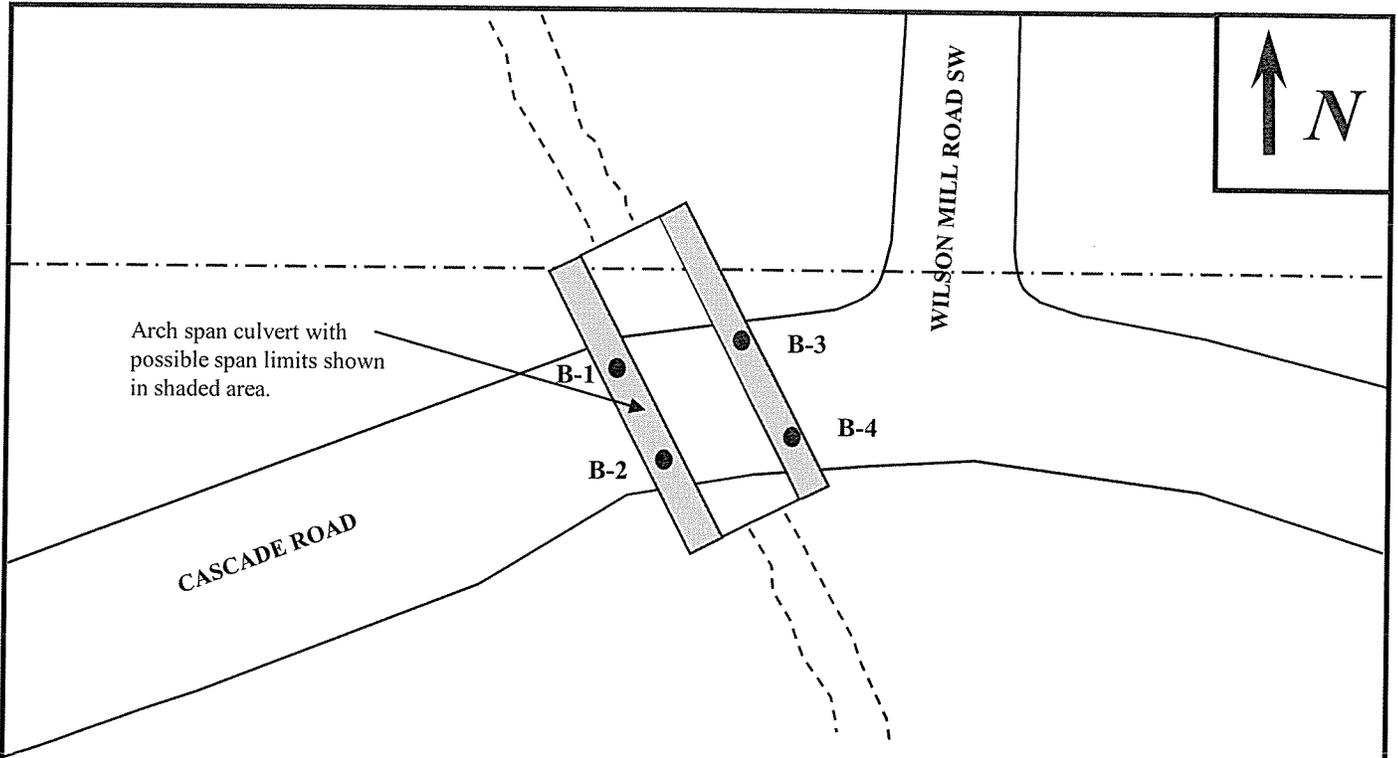
Elevations All elevations are based on Elevations obtained from the roadway profile.

Planned Driving Objective for Piles Driving resistance per Georgia Department of Transportation Standard Specifications, Section 520. after Minimum Tip Elevations are achieved.

Temporary Shoring Shoring may be required to construct the spread footings for the footing option.

Prepared By


Warren Bailey, PE



No Scale

<p>LEGEND</p> <ul style="list-style-type: none"> ● B-2 Denotes Boring Location ▨ Denotes Refusal on Rock PWR Partially Weathered Rock 		<p>Project: Culvert Replacement Project Cascade Road Fulton County</p>	<p>Title: Plan and Profile Boring Location Sketch</p>
<p>Drawn by: WFB</p>	<p>Date: 7/17/10</p>	<p><i>Ranger Consulting, Inc.</i></p>	

