



**WASHINGTON COUNTY DIVISION OF PUBLIC WORKS
CAPITAL PROJECTS ENGINEERING DEPARTMENT**

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ADDENDUM NO. 2

TO: Interested Parties

FROM: Jessica Spring
Project Manager, DPW - Capital Projects Engineering

DATE: Friday, June 18, 2010

RE: Barnes Road Bridge W-5351 Rehabilitation Project
Washington County Contract Number: BR-BR-142-14
SHA Contract No. WA123ZM2
FAP No. BHO-3(162)E

Acknowledge receipt of this **Addendum No. 2** by signing in the space provided below and returning with your Bid.

Failure to sign and return with your Bid may subject the Bidder to disqualification. This **Addendum No. 2** forms a part of the Bid Documents, it supplements and modifies them as outlined herein.

This **Addendum No. 2** consists of 4 pages, including this page and attachments.

I hereby acknowledge receipt of **Addendum No. 2**:

By: _____ Date _____
Signed Name

Typed Name

Title

For: _____
Firm

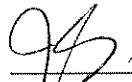
ADDENDUM NO. 2

BARNES ROAD BRIDGE W-5351 REHABILITATION PROJECT
WASHINGTON COUNTY CONTRACT NO. BR-BR-142-14
SHA Contract No. WA123ZM2; FAP No. BHO-3(162)E

Date Issued: **Friday, June 18, 2010**

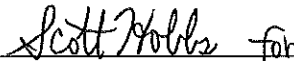
Bids Due: **Wednesday, June 30, 2010**
11:00 a.m. E.S.T

The following addendum material is hereby made a part of the Bid Documents. Please note the following changes, information, and/or instructions in connection with the proposed work and submit proposals accordingly.



Jessica Spring
Project Manager,
DPW-Capital Projects Engineering

By Authority of:
Board of County Commissioners
Washington County, Maryland



Robert Slocum, P.E.
Deputy Director of Public Works
Capital Projects Engineering

TO: All prime Contractors and all others to whom specifications have been issued.

ITEM 2.01 CLARIFICATION

All materials and equipment used in the construction of the project shall be subject to adequate inspection and testing in accordance with accepted standards. The Contractor shall be responsible for the field/laboratory testing as described below.

A. CONCRETE:

The Contractor shall be responsible for sampling, molding, curing, transporting, and testing concrete test specimen for compressive strength analysis in conformance with AASHTO/ASTM Specifications. As a minimum, the Contractor shall take four (4) concrete cylinders per pour for each mix design and/or as directed by the Engineer. The field concrete testing shall include, slump test, air content test, and temperature information on freshly mixed concrete. All necessary paper work shall be prepared by the Contractor, and sent along with the concrete test cylinders to a laboratory approved by the Engineer. The specimens shall not be transported from field to laboratory before completion of the initial curing. During transportation, specimens shall be cured and protected with suitable cushioning material to prevent damage from jarring and damage by freezing temperature, or moisture loss.

For **compressive strength testing** each set of concrete cylinders shall be tested as follows:

One (1) concrete cylinder shall be broken at seven (7) days.

One (1) concrete cylinder shall be broken at fourteen (14) days.

Two (2) concrete cylinders shall be broken at twenty-eight (28) days.

The compressive strength test results report, for each concrete cylinder, shall be submitted to the Engineer no later than 48 hours after the actual break time period. The Engineer may change the test frequency for the concrete cylinder breaks as noted above.

All cast-in-place concrete quantities shall be computed using the as-planned dimensions shown on the plans or directed by the Engineer. There will be no increase allowed if the Contractor elects to construct the foundations larger than the planned dimensions for ease of construction. The Contractor shall submit all concrete tickets to the Engineer along with the request for payment.

B. SOILS:

All soil samples (on and off-site) shall be tested by the Contractor in a laboratory approved by the Engineer. This includes but is not limited to, sieve analysis with hydrometer, Atterburg limits, moisture-density relationship test (AASHTO T-180), and any other pertinent test necessary for soil(s) classification. The testing shall apply to all Borrow Material(s), and all on-site suitable material(s) excavated which may be used in the construction of embankments. The Contractor shall submit all test results to the Engineer for approval prior to its placement. The test types shall be selected by the Engineer, and shall be performed in accordance with AASHTO/ASTM Standards.

The Contractor shall be responsible for in-place density testing by a nuclear gauge (test at every 500 LF per each lift as directed by the Engineer). Results shall be submitted to the Engineer for review.

The Contractor shall retain a Maryland licensed Geotechnical Engineer to verify the soil net bearing pressure prior to placement of the concrete footings. Should the actual allowable bearing pressure at the planned bottom of footing elevation be found to be less than assumed, the width or depth of the footing shall be adjusted at the direction of the Engineer. The Geotechnical Engineer must submit a report of the findings to the Engineer for review.

If the Contractor elects to use a borrow pit, he shall stakeout the area and provide the necessary soil analysis and test results from a maximum density test in accordance with AASHTO T180 by a Soils Laboratory approved by the Owner.

C. **AGGREGATES:**

The Contractor shall provide the Owner all laboratory tests for aggregates (fine & coarse) for quality control purposes prior to its placement. The tests shall include, but not be limited to, sieve analysis, moisture-density relationship, and specific gravity tests (if required by the Engineer). All tests shall be performed from a finished product at the quarry in accordance with AASHTO/ASTM Standards. The Contractor shall be responsible for in-place density testing by a nuclear gauge (test at every 500 LF per each lift as directed by the Engineer). Results shall be submitted to the Engineer for review. Testing shall be incidental to the other item(s) being tested.

D. **ASPHALT:**

The nuclear/core method shall be utilized with a minimum of four (4) nuclear density tests required. The Contractor shall comply with these testing standards established for the quality control, and must submit the test results to the Owner for review within 24 hours after they are received. The Owner reserves the right to stop the paving operation and ask for corrections if the test results do not meet the Specification Standards.

Payment for all material testing and geotechnical engineering services shall be incidental to the pertinent pay items specified in the Contract.

END ADDENDUM No. 2