



Legislation Text

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Resolution Approving a Contract with HDR Engineering, Inc. of the Carolinas for Professional Services Contract for the Air Harbor Reservoir Evaluation Project

Department: Water Resources
Council District: 3

Public Hearing: N/A
Advertising Date/By: N/A

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PURPOSE:

The City of Greensboro Water Resources Department is requesting to enter into a professional services contract with HDR Engineering, Inc. of the Carolinas to assess the current condition of the City's Air Harbor Reservoir. The evaluation will identify structural options for rehabilitation and determine from a process and a water quality standpoint if the current reservoir should be modified or replaced for conveying raw water to the treatment plant.

BACKGROUND:

The Lake Brandt Pumping Station pumps water from Lake Brandt to the Air Harbor Reservoir, which is used for flow and equalization storage. The water drains from the reservoir by gravity to the Mitchell WTP for treatment where it is subsequently pumped to supply drinking water to the City of Greensboro. The existing reservoir is showing some signs of distress, bowed walls and possible leak on adjacent areas. The purpose of the project is to determine the structural condition of the reservoir and will help determine if future modifications or replacement of the reservoir is necessary.

The professional services of HDR Engineering, Inc. of the Carolinas will be utilized to investigate and inspect the condition of the Air Harbor Reservoir. The proposal includes a technical evaluation of the current structural condition of the reservoir, potential required repair work and overall useful life. Additional investigation includes the evaluation of the reservoir and its overall role in water treatment performance in terms of turbidity, total organic carbon and dissolved metal reduction to determine the reservoirs benefit for pretreatment performance.

HDR's team includes Waller and Associates, a Minority Business Enterprise within the ten county MSA and part of the HDR on-call services team. Waller and Associates will provide surveying services for the assessment of the reservoir. The anticipated MBE utilization for this contract is 5.5% of the total contract amount. The anticipated WBE utilization for this professional services contract is 6% of the total contract amount. Kennerly Engineering and Design, Inc. a local WBE will document the condition of the reservoir.

BUDGET IMPACT:

Funding for this project is budgeted in Water Resources Capital Fund Account 503-7026-04.5410 in the amount of \$199,500.

RECOMMENDATION / ACTION REQUESTED:

The Water Resources Department recommends City Council approve the professional services contract with HDR Engineering, Inc. of the Carolinas in the amount of \$199,500.