

CITY OF HIGH POINT

AGENDA ITEM



Title: Ward WTP Caustic and Alum Pump Replacement

From: Terry Houk – Public Services Director
Derrick Boone – Asst. Public Services Director
Wendell Pickett- Water Plant Superintendent

Meeting Date: June 3, 2019

Public Hearing: No

Advertising Date: April 15, 2019
Advertised By: Public Services Department

Attachments: Bid Tabulation

PURPOSE:

To hire a contractor to demolish the existing alum and caustic chemical feed system at the Ward Water Plant and to install a new chemical feed system with associated pumps, valves, plumbing, electrical conduit and instrumentation control work. The project also includes the rehabilitation and coating application of both the caustic and alum containment areas.

BACKGROUND:

Alum and Caustic are chemicals used at the water plant as part of the treatment process. The existing alum and caustic chemical feed pumps were installed as part of an upgrade in 1996. The existing pumps and feed system require increased maintenance due to age and it is difficult to find replacement parts.

BUDGET IMPACT:

Funds for this are available in the FY 2018-2019 budget.

RECOMMENDATION / ACTION REQUESTED:

City Council is requested to award a contract to Brushy Mountain Builders in the amount of \$245,000.00 for work at the Ward Water Plant.



Picture of Existing Caustic Feed System



Picture of Existing Alum Feed System

May 21, 2019

Re: City of High Point, NC
Ward Water Treatment Plant
Caustic & Alum Pump Replacement
Bid No. 54-051519
DMP Project 170197 (BF)

Mr. Derrick Boone, Assistant Director
Public Services Department
City of High Point
PO Box 230
High Point, NC 27261

Dear Derrick:

The Bid Opening was conducted by the Purchasing Department on May 15, 2019 for the above referenced project. One (1) bid was submitted and read, as summarized below.

	Brushy Mountain Builders, Inc. Lenoir NC
Base Bid	\$ 200,000
Alternate A, Caustic Area Coating	\$ 30,000
Alternate B, Alum Area Coating	\$ 15,000
TOTAL BID	\$ 245,000

The low bid submitted by Brushy Mountain Builders is slightly higher than the estimated construction cost of \$217,000. Bids were advertised by the Purchasing Department and at least five general contractors ordered plans. The low level of interest in this project may be attributed to the relatively small and specialized scope of the project and area contractor's current workload/resource availability.

Brushy Mountain Builders is currently licensed by the NC Contractor's Board (Unlimited; Building, PU(Water Lines & Sewer Lines), PU(Water Purification & Sewage Disposal). DMP checked three (3) references provided by the Bidder, and all have reported favorably on the contractor's qualifications, and indicated the Bidder has successfully completed similar water/wastewater projects.

City of High Point
 Frank L. Ward Water Treatment Plant
 Caustic and Alum Pump Replacement
 Bid Tabulation

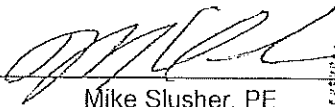
DAVIS • MARTIN • POWELL
 ENGINEERS & SURVEYORS
 T: 336-886-4821 | F: 336-886-4458 | License: F-0245
 6415 Old Plank Road | High Point, NC 27265 | www.dmp-inc.com

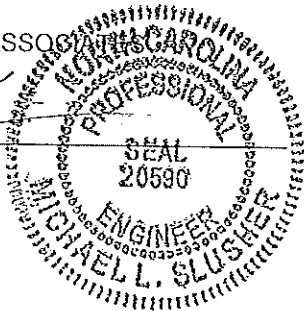


		Brushy Mountain Builders 3390 Gaither Walker Circle Lenior, NC 28645
ITEM	DESCRIPTION	LUMP SUM AMOUNT
PART A - BASE BID		
	Complete construction of the Caustic and Alum Pump Replacement including all work shown and specified.	\$200,000.00
PART B - ALTERNATE BID ITEMS		
B1.	Rehab & coating application in the Caustic Containment area	\$30,000.00
B2.	Rehab & coating applciation in the Alum Containment area	\$15,000.00
TOTAL BID (PARTS A, B)		\$245,000.00

THIS IS TO CERTIFY THAT THIS TABULATION IS CORRECT AND A TRUE AND ACCURATE COPY OF THE BIDS SUBMITTED. THIS THE 15TH DAY OF MAY, 2019.

DAVIS • MARTIN • POWELL & ASSOCIATES

By: 
 Mike Slusher, PE



We would therefore recommend the City Council award this contract to Brushy Mountain Builders, Inc. in the amount of \$245,000, which includes all alternate bid items.

A Certified Bid Tabulation is enclosed and we returned the original bid documents to Purchasing.

If you have any questions or need additional information, please feel free to call.

Sincerely,

DAVIS • MARTIN • POWELL & ASSOCIATES



Michael L. Slusher, PE
President

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**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Public Services**

COUNCIL AGENDA DATE: **June 3, 2019**

BID NO.: **54-051519** CONTRACT NO.: DATE OPENED: **May 15, 2019**

DESCRIPTION:

Ward WTP Caustic and Alum Pump Replacement

PURPOSE:

To hire a contractor to demolish the existing alum and caustic chemical feed systems at the Ward Water Plant and replace the pumps, valves, accessories and related electrical and control work. The project also includes the rehabilitation and coating application of both the caustic and alum containment areas.

COMMENTS:

RECOMMEND AWARD TO: **Brushy Mountain Builders, Inc.** AMOUNT: **\$245,000**

JUSTIFICATION:

Only responsive bidder.

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
621758	533101			\$245,000
TOTAL BUDGETED AMOUNT				\$245,000

DEPARTMENT HEAD: **Terry Houk** Digitally signed by Terry Houk
DN: cn=Terry Houk, o=City of High Point, ou=Public
Services, email=terry.houk@highpointnc.gov, c=US
Date: 2019.05.23 08:41:20 -04'00' DATE: **May 23, 2019**

The Purchasing Division concurs with recommendation submitted by the **Public Services** and recommends award to the lowest responsible, responsive bidder **Brushy Mountain Builders** in the amount of \$ **245,000.00**.

PURCHASING MANAGER: **Erik Conti** Digitally signed by Erik Conti
Date: 2019.05.23 10:17:40 -04'00' DATE: **May 23, 2019**

Approved for Submission to Council
FINANCIAL SERVICES DIRECTOR: **Bobby Fitzjohn** Digitally signed by Bobby Fitzjohn
Date: 2019.05.23 13:14:41 -04'00' DATE: **May 23, 2019**

CITY MANAGER: **Greg Demko** Digitally signed by Greg Demko
DN: cn=Greg Demko, o=High Point, ou=High Point,
email=greg.demko@highpointnc.gov, c=US
Date: 2019.05.28 10:23:59 -04'00' DATE: **May 28, 2019**