

CITY OF HIGH POINT

AGENDA ITEM



Title: Materials Recovery Facility Upgrade

From: Terry Houk – Public Services Director
Robby Stone – Asst. Director Public Services

Meeting Date: January 17, 2017

Public Hearing: N/A

Advertising Date: September 6, 2016
Advertised By: Purchasing

Attachments: Attachment A – Bid Recommendation

PURPOSE:

The City budgeted for the equipment upgrades at the Material Recovery Facility (MRF) to reduce operating costs and improve its processing efficiency. The City has developed a project that upgrades the existing processing line with state-of-the-art sorting and recycling equipment. The Purchasing Department issued bid documents for this upgrade project on September 8, 2016.

BACKGROUND:

The City of High Point operates a Material Recovery Facility for the purpose of recovering recyclable materials from the solid waste disposal stream. The current facility has experienced no upgrades in the past 25 +/- years with the exception of a baler in 2015. The facility currently has very little automation. The proposed system will incorporate many automated features that will result in increased processing and recovery efficiencies.

BUDGET IMPACT:

Funds for this project are in the Material Recovery Facility Capital Improvement Plan.

RECOMMENDATION / ACTION REQUESTED:

The Public Services Department recommends approval and asks for the Council to award the project to Bar Construction Company, Inc. in the amount of \$2,930,500.00 and authorize the appropriate city official to execute all necessary documents.



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Public Services - Material Recovery Facility**

COUNCIL AGENDA DATE: **January 17, 2017**

BID NO.: **16-121416**

CONTRACT NO.:

DATE OPENED: **Dec 14, 2016**

DESCRIPTION:

Upgrade existing Material Recovery Facility with automated equipment.

PURPOSE:

This upgrade will increase processing and recovery efficiencies due to the advanced automation features.

COMMENTS:

The increased recovery efficiencies will help to preserve valuable landfill space by capturing increased volumes of recyclable material.

RECOMMEND AWARD TO: **Bar Construction Company, Inc.**

AMOUNT: **2,930,500.00**

JUSTIFICATION:

Bar Construction Company, Inc. was the low bidder and has experience with similar Material Recovery Facility projects.

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
661749	533701	661131001705	40202	3,200,000
TOTAL BUDGETED AMOUNT				3,200,000

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: 2017.01.04 10:46:18 -0500

DATE: **Jan 4, 2017**

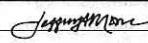
The Purchasing Division concurs with recommendation submitted by the **Public Services and recommends
award to the lowest responsible, responsive bidder **Bar Construction Co. Inc.** in the amount of \$ **2,930,500.00**.**

PURCHASING MANAGER: **Erik Conti**

Digitally signed by Erik Conti
DN: cn=Erik Conti, o=City of High Point, ou=Public
Services, email=erik.conti@highpointnc.gov, c=US
Date: 2017.01.04 11:23:02 -0500

DATE: **Jan 4, 2017**

Approved for Submission to Council

FINANCIAL SERVICES DIRECTOR: 

Digitally signed by Jeffrey A. Moore, o=City of High Point, NC,
ou=Financial Services Director,
email=jff.moore@highpointnc.gov, c=US
Date: 2017.01.09 10:25:18 -0500

DATE: **Jan 9, 2017**

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: 2017.01.09 10:43:26 -0500

DATE: **Jan 9, 2017**



4600 Park Road, Suite 240
Charlotte, North Carolina 28209
tel: 704 342-4546
fax: 704 527-1125

January 3, 2017

Erik Conti
City of High Point
Purchasing Division
P.O. Box 230 (27261)
211 South Hamilton Street, Suite 215
High Point, North Carolina 27260

Subject: City of High Point, North Carolina
Materials Recovery Facility Upgrade (Bid No. 32-121416)
Bid Evaluation and Recommendation

Dear Mr. Conti,

Two bids were received for the above-referenced project on Wednesday, December 14, 2016 in the Third Floor Conference Room of the Municipal Office Building located on 211 South Hamilton Street. This letter presents CDM Smith's evaluation of the received bids and our recommendation for lowest responsible bidder. The certified bid tabulation is attached for your reference. As indicated in the specifications, the project was bid with a Total Bid Amount consisting of unit price and lump sum bid items. CDM Smith evaluated the bid based on the Total Bid Amount submitted by each bidder.

The City's Material Recovery Facility Upgrade Project will upgrade the existing processing line with state-of-the-art sorting and recycling equipment in order to reduce operating costs and improve its processing efficiency. The project consists of the demolition of the B-Line equipment, relocation of the existing Marathon two-ram baler, installation of a new single stream system, and the demolition of the A-Line equipment after the acceptance of the new single stream recycling system.

BID EVALUATION

CDM Smith evaluated the bids based on whether the bidder submitted all required information stated in the Instructions to Bidders including the Itemized Proposal Form, Bid Bond, Minority Participation Forms, and acknowledged receipt of any issued addendums.

A matrix is attached as **Exhibit 1** showing all bidders, the information required in the bid, and a summary of the bid amounts. The matrix indicates that all bidders submitted the required information. **Exhibit 2** provides a complete bid tabulation for your review.

The publically opened bids, based on the Total Bid Amounts, are provided below from lowest to highest:

- | | |
|-----------------------------------|----------------|
| 1. Bar Construction Company, Inc. | \$2,930,500.00 |
| 2. J.M. Cope, Inc. | \$3,199,900.00 |





Mr. Erik Conti
January 3, 2017
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Each bid was reviewed for mathematical errors and other discrepancies. No errors or discrepancies were identified in either bid package.

ENGINEER OPINION

The bid appears to reflect reasonable costs for the project work as described on the drawings and detailed in the specifications. Based on our evaluation of the project bid, Bar Construction Company, Inc. has submitted a complete bid and meets the qualification requirements for the Materials Recovery Facility Upgrade Project. Additionally, CDM Smith contacted references for Bar Construction Company, Inc. and positive feedback was received regarding the company's performance on previous projects.

Based upon our evaluation of the bid package including project experience and references, CDM Smith's opinion is that Bar Construction Company, Inc.'s bid in the amount of \$2,930,500.00 is reasonable, and the company is a qualified contractor capable of completing the Materials Recovery Facility Upgrade Project.

CDM Smith's opinion is contingent upon the following:

- City's satisfactory review of Bar Construction Company, Inc. MWSBE Provisions documents.
- The City has no questions or comments regarding the information provided herein.

CDM Smith appreciates the opportunity to assist the City of High Point with this project. If you have questions or need any additional information, please do not hesitate to contact us.

Very truly yours,

A handwritten signature in blue ink that reads "Martin D. Sanford".

Martin D. Sanford, P.E.
CDM Smith Inc.

cc: D. Collins, CDM Smith
B. Wlosek, CDM Smith



EXHIBIT 1 - BID SUMMARY
CITY OF HIGH POINT
MATERIALS RECOVERY FACILITY UPGRADE

BID OPENING

WEDNESDAY, DECEMBER 14, 2016 9:00 A.M.

BID SUMMARY

BIDDER	TOTAL BID	PROPOSAL FORM	BID BOND	MINORITY PARTICIPATION FORMS	ADDENDUMS
Bar Construction Company, Inc.	\$ 2,930,500.00	√	√	√	√
J.M. Cope, Inc.	\$ 3,199,900.00	√	√	√	√

Exhibit 2 - Bid Tabulation
City of High Point
Materials Recovery Facility Upgrade

Item No.	Description	Quantity	Units	J.M. Cope, Inc. Rock Hill, SC		Bar Construction Company, Inc. Greensboro, NC	
				Unit Price	Amount	Unit Price	Amount
BASE BID ITEMS							
1	Bonds, Insurance & Mobilization (4% max)	1	LS	\$ 115,000.00	\$ 115,000.00	\$ 115,000.00	\$ 115,000.00
2	Demolition	1	LS	\$ 150,000.00	\$ 150,000.00	\$ 325,000.00	\$ 325,000.00
3	Construction and Equipment Installation	1	LS	\$ 1,190,600.00	\$ 1,190,600.00	\$ 1,294,600.00	\$ 1,294,600.00
4	Conveyors (Machinex)	13	EA	\$ 38,400.00	\$ 499,200.00	\$ 43,900.00	\$ 570,700.00
5	OCC Screen (Machinex)	1	EA	\$ 42,700.00	\$ 42,700.00	\$ 48,900.00	\$ 48,900.00
6	ONP Screen (Machinex)	1	EA	\$ 128,300.00	\$ 128,300.00	\$ 146,700.00	\$ 146,700.00
7	Fines Screen/Glass Breaker (Machinex)	1	EA	\$ 33,000.00	\$ 33,000.00	\$ 37,800.00	\$ 37,800.00
8	Overhead Magnet (Eriez Magnetics)	1	EA	\$ 49,000.00	\$ 49,000.00	\$ 56,000.00	\$ 56,000.00
9	Eddy Current Separator (Steiner Company)	1	EA	\$ 56,900.00	\$ 56,900.00	\$ 65,000.00	\$ 65,000.00
10	Aluminum Blower System (NY Blower)	1	EA	\$ 14,900.00	\$ 14,900.00	\$ 17,000.00	\$ 17,000.00
11	Stationary Compactor (SP Industries)	1	EA	\$ 40,300.00	\$ 40,300.00	\$ 46,000.00	\$ 46,000.00
12	Electrical Power Supply	1	LS	\$ 80,000.00	\$ 80,000.00	\$ 63,100.00	\$ 63,100.00
13	Fire Protection System Extension	1	LS	\$ 40,000.00	\$ 40,000.00	\$ 28,800.00	\$ 28,800.00
14	All other Work	1	LS	\$ 760,000.00	\$ 760,000.00	\$ 120,900.00	\$ 120,900.00
15	Equipment Salvage	1	LS	\$ -	\$ -	\$ (5,000.00)	\$ (5,000.00)
TOTAL BID AMOUNT (Items 1-15)					\$ 3,199,900.00		\$ 2,930,500.00

BID TABULATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION.

Martin D. Sanford, P.E.

