



Detroit Water and Sewerage Department

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Legislation Text

File #: 19-00147, **Version:** 1

The Board of Water Commissioners for the City of Detroit, Water and Sewerage Department authorizes the Director to **enter into Contract No. 6002138 for "Oakman Boulevard Green Stormwater Infrastructure & Water Main Replacement Project" (PC-801A) with Blaze Contracting, Inc., with a contract amount not to exceed \$8,694,168.40, for a duration of 4.2 years (1,545 calendar days),** and also authorizes the Director to take such action necessary to accomplish the intent of this vote.

Agenda of June 5, 2019

Item No.: 19-00147

Proposed Contract No.: 6002138

Contractor: Blaze Contracting, Inc., 5640 Saint Jean Street, Detroit, MI 48213

Term: 1,545 calendar days from Notice to Proceed (Anticipated Dates: 8/1/19 - 10/23/23)

Total Contract Amount: \$8,694,168.40

TO: The Honorable
Board of Water Commissioners
City of Detroit, Michigan

FROM: Gary Brown, Director
Detroit Water and Sewerage Department

RE: Proposed DWSD Contract No. 6002138
"Oakman Boulevard Green Stormwater Infrastructure & Water Main Replacement Project" (PC-801A)

MOTION

Upon recommendation of Mamata Burgi, Procurement Manager, the Board of Water Commissioners for the City of Detroit Water and Sewerage Department authorizes the Director to **enter into Contract No. 6002138 for "Oakman Boulevard Green Stormwater Infrastructure & Water Main Replacement Project" (PC-801A) with Blaze Contracting, Inc., with a contract amount not to exceed \$8,694,168.40, for a duration of 4.2 years (1,545 calendar days),** and also authorizes the Director to take such action necessary to accomplish the intent of this vote.

BACKGROUND

DWSD, under its NPDES permit issued by the Michigan Department of Environmental Quality (MDEQ), is responsible for developing and implementing the Alternative Rouge River Combined Sewer Overflow (CSO) Control Program. The CSO Control Program is designed to restore water quality and protect public health and encompasses a 25-year phased plan that focuses on green stormwater infrastructure (GSI) solutions along with right-sized conventional CSO control facilities. The ultimate regulatory goal of GSI implementation is a reduction of stormwater entering the combined sewer system (CSS), which will reduce untreated combined sewer overflows.

The work proposed under contract 6002138, addresses NPDES permit compliance for CSO Control. The Oakman

Boulevard GSI project (PC-801A) resulted from extensive evaluations and alternative analysis for managing stormwater in a practicable and feasible way. Due to the August 2014 flooding event and claims for basement backups preceding the design, in conjunction with permit requirements, the design consists of detention areas to manage stormwater runoff. The coordination for water main replacement has been incorporated into this project for efficiency of bidding and execution and minimal disruption to the neighborhood and traffic.

Through the use of surface and sub-surface green infrastructure, utilizing appropriate landscaping, the proposed GSI will detain stormwater prior to discharge to the CSS trunks to reduce peak flows in the downstream CSS trunks, helping to minimize surcharging and combined sewer overflows (CSOs). Stormwater will be retained within the proposed GSIs through evapotranspiration and/or infiltration to reduce the quantity of storm water discharged to the CSS trunk sewers.

The water main replacement portion of the contract is one of a continuing series of contracts that replaces the old water mains in the City of Detroit having an extensive history of leaks and breaks. Proposed Contract No. 6002138 will provide the Detroit Water and Sewerage Department (DWSD) with the ability to continue its program of replacing aged water mains that have exceeded their intended service life. The new water mains and associated infrastructure will enhance the integrity of the DWSD Water System and ensure quality service to its customers. In addition, existing Lead water services are being replaced from the new water main all the way to the customer meter.

JUSTIFICATION

Proposed Contract No. 6002138 will provide the Detroit Water and Sewerage Department (DWSD) with the ability to continue its program of replacing aged water mains that have exceeded their intended service life. The new water mains and associated infrastructure will enhance the integrity of the DWSD Water System and ensure quality service to its customers. In addition, existing Lead water services are being replaced from the new water main all the way to the customer meter.

PROJECT OBJECTIVE/COSTS

The objective of proposed Contract No. 6002138 is to replace existing six through eight-inch water mains that have a history of leaks and breaks with approximately 5,400 linear feet of 8-inch ductile iron water main, including fittings, valves, and hydrants. Additionally, existing Lead services will be replaced with copper from the water main to the customer meter. The number of Lead services forecasted for replacement is two (2). The forecasted length of Lead services being replaced with copper within the public ROW to the meter on private properties is approximately 30 linear feet. Additional Lead services encountered over the course of the work shall be replaced at the unit rates established in the Bid Schedule. The GSI portion of the project shall install new storm sewer piping in various pipe diameters as noted in the table below.

Street	From	To	New Ductile Iron Water Main (LF)					
			8-inch					
Oakman Blvd	Joy Road	Tireman	5,400					
			New Sewer Piping (LF)					
			12-in	15-in	18-in	24-in	30-in	36-in
Oakman Blvd	Joy road	Tireman	1550	2250	712	1200	200	560
Project Total Piping:						11,872 Linear Feet		

PROCUREMENT METHOD

This project was competitively solicited as Request for Bids (RFB) PC-801A. The RFB was posted to the Michigan Inter-Governmental Trade Network (MITN) website on February 15, 2019 and bids were due on March 22, 2019. Six (6) Bulletins were issued during the course of this bid.

The RFB was also sent to the following: North America Procurement Council, Michigan Minority Contractors Association (MMCA), National Association of Minority Consulting Engineers (NAMCE), Asian Pacific American Chamber of Commerce (APACC), Michigan Hispanic Chamber of Commerce (MHCC), Michigan Black Chamber of Commerce (MBCC), Washtenaw Contractors Association Plan Room, Booker T. Washington Business Association, Michigan Minority Business Development Council, Construction Association of Michigan, Construct Connect, Dodge Data & Analytics, Construction Journal, Builders Exchange of Michigan and Bid Ocean.

Eight (8) bids were received and are priced as follows. The engineer's estimate for this contract is \$6,350,000.00.

Bidder	Bid Amount	Equalization Type	Percentage Applied	Equalization Credit Amount	Equalized Bid Amount
Blaze	\$8,694,168.40	DBB	1%	\$86,941.68	\$8,607,226.72
V.I.L.	\$9,452,556.50	N/A	0%	\$0.00	\$9,452,556.50
Z-Contractors	\$9,936,155.70	N/A	0%	\$0.00	\$9,936,155.70
L. D'Agostini	\$10,559,216.10	DBB	1%	\$105,592.16	\$10,453,623.94
Major Cement	\$10,891,774.50	DBB	1%	\$108,917.75	\$10,782,856.76
Angelo Iafrate	\$11,077,492.00	N/A	0%	\$0.00	\$11,077,492.00
Anglin Civil	\$11,677,301	N/A	0%	\$0.00	\$11,677,301.00
Lakeshore Global	\$11,776,238.83	DBB	1%	\$117,762.39	\$11,658,476.44

The apparent lowest equalized bidder, Blaze Contracting, Inc., was evaluated and determined to be both responsive and responsible. Therefore, it is recommended that Blaze Contracting, Inc. be awarded DWSD Contract No. 6002138. Blaze Contracting, Inc. is a Detroit Based Business and will perform 100% of the work under this contract.

COST BREAKDOWN

Contract Price:	\$ 7,434,168.40
Permit Allowance:	\$ 60,000.00
Mobilization, (Max 5% of Project Subtotal):	\$ 120,000.00
Minor Traffic Devices, (Max 5% of Project Subtotal):	\$ 80,000.00
<u>Provisional Allowance for Unforeseen Conditions:</u>	<u>\$ 1,000,000.00</u>
Total Contract Price:	\$ 8,694,168.40

SUMMARY

- A. Contract Number: 6002138
- B. Contractor: Blaze Contracting, Inc.
- C. Contract Term: 1,545 calendar days from Notice to Proceed
(Anticipated Dates: 8/1/19 - 10/23/23)
- E. Total Contract Amount: \$8,694,168.40
- F. Funding Source: I&E Funds
- G. Projected Fiscal Year (FY) Contract Expenditures:
- | | |
|------------|-----------------|
| FY 2019-20 | \$ 2,000,000.00 |
| FY 2020-21 | \$ 3,500,000.00 |
| FY 2021-22 | \$ 2,500,000.00 |
| FY 2022-23 | \$ 365,926.40 |
| FY 2023-24 | \$ 328,242.00 |
- H. GL String(s):
- 5731-20301-487800-617900-900270-30129-0000-000000
- 5821-20243-497711-617900-900271-30129-0000-000000

Proposed DWSD Contract No. 6002138 for RFB PC-801A was presented to the BOWC Finance Committee on June 5, 2019.